Oil, Paint and Drug Reporter

The Chemical Market Authority Since 1871

Volume 151 No. 5 February 3, 1947

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Oil, Paint and Drug Reporter

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Fertilizer Supplies Estimated for 1947

OPD Washington Bureau

World supplies of phosphates and potash should be fairly comfortable during the 1947-48 fertilizer year but nitrogen will continue to be short by about the same quantity and percentage as in the 1946-47 season, according to the report of the secretary-general of the International Emergency Food Council, submitted at the third meeting of the council last week.

The secreatry estimated that 1946-47 world production of nitrogen totaled 2,555,000 metric tons, an increase of about 313,000 tons over prewar production. The trouble however, stems from the radically changed geographic pattern of production and distribution, he said, instead of Europe being the chief producer of surplus nitrogen it is now North America, and Europe is now the importer rather than the exporter.

The 313,000 tons increase, he said, is totally insufficient to meet the demands for the replacement of war-

—*Continued on page 51*

Can Firms Fined In 'Trust' Suit

The American Can Company, the Continental Can Company, and seven officials of the two firms were fined a total of $45,000 in Federal District Court at San Francisco last week after they pleaded nolo contendere to antitrust charges. Each of the two firms and each of the indicted officials were fined $5,000.

The indictment, returned June 26, 1946, charged a conspiracy between the two companies and their officials whereby they agreed to fix prices and discounts; to charge not less than the OPA ceiling price; to coerce other can manufacturers into maintaining ceiling prices; to maintain delivered prices by adopting a so-called "freight equalization plan"; to refrain from soliciting the business of each others customers; to allocate between themselves areas as exclusive sales territories, and to allocate between themselves fields of production, thus giving one defendant company an exclusive market for the sale of certain types of cans.

Surplus Export Ban Lifted by WAA

OPD Washington Bureau

Lifting of restrictions on the sale of surplus property for export, except those controls governed by other agencies, has been announced by War Assets Administration.

In a statement of policy, WAA said that non-priority exporters would be given the same treatment as other non-priority buyers as to price, quantities apportioned or other conditions of sale. This applies to both wholesalers and dealers and is effective even when the supply of the surplus commodity is less than the estimated domestic demand, according to Mr. Mosely. Another feature of the new policy is that no differentiation will be made as to whether the property is to be purchased for export or domestic use.

Testing, Measuring Devices Offered by WAA

OPD Washington Bureau

More than $1,000,000 worth of scientific testing and measuring devices and large quantities of Japanese surgical and medical instruments have been added to the list of surplus property to be sold to health and educational institutions at a discount of 95 percent, War Assets Administration has announced.

Eligible educational institutions should submit orders or letters of intent to their state educational agency for surplus property. Health agencies should submit orders directly to the WAA regional office serving their area.

Price Trend Continues Upward

Shorter supplies appeared to be the major influence on price views in the markets for chemicals, oils, and drugs last week. Demand could not get any bigger. More of it was not being satisfied. Production kept up well, but containers and carriage both in cost and in inadequacy were a handicap. Heavy and fine chemicals, with a big assist from fatty oils, gave the price line another upward push.

Suppliers of many chemicals are getting farther and farther behind in deliveries on contractual commitments, some of which were anticipatorily kept below last year's levels. Consumers and other wanters without contracts are finding even the high-price odd lots getting scarcer and scarcer.

The container situation is worse than that in materials in many places, especially with reference to cylinders and tankcars. The effects of this situation is felt all the way from the finest aromatic chemicals, through refrigerants, lacquer materials, and the like, all the way to trainload materials.

The price position of nonferrous metals was not changed, but its hoisting influence again affected the zinc whites and spread to some cyanides and acetates. Prices of magnesium carbonate and silicofluoride were advanced; that of magnesium oxide was reduced. Coaltar intermediates were again advancing, some in leveling operations, some in new boosts. Anethol was alone among cheaper organics.

New relationships were developing between domestic and imported materials, the latter being largely on the downward side in various divisional trends. Although there were more reductions than advances in imported botanical drugs, the advance in buchu raised the group average. Most changes in domestics were upward. Essential oils showed the only lower average, again because of increasing imports. The situation was more marked in fatty oils, domestic materials being again advanced to new all-time highs, while imported tung and olive oils were cheaper. Castor beans were boosted again, and the wisdom of the guaranteed-price pact with domestic growers was further emphasized. Domestic tanstuffs brought a raise in the textile and leather chemicals level, but that group is still uniquely below its last year's mark.

The divided price movement in animal and vegetable waxes was mainly downward. Petroleum waxes remained scarce, all solid derivatives of crude oil being different from the liquids in that respect. Maybe because the export demand did not come up to great expectations, the price of rosins was cut. Fertilizer chemicals are short of demand, but prices are held down. Some sodium nitrate is expected from Chile this month, but nitrogen solutions are not available.

OPD Price Index

The OIL, PAINT AND DRUG REPORTER'S relataive record of prices for chemicals and related materials is currently as follows:—

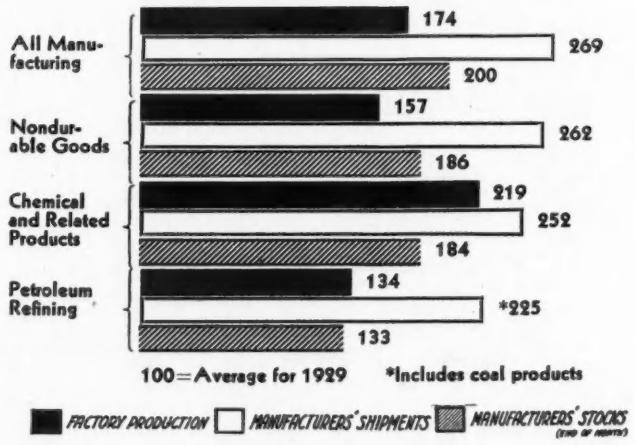
Jan. 30, 1947	Jan. 23, 1947	Jan. 31, 1946
151.5	**151.1**	**134.8**

The base of the OPD Price Index is the average of prices in 1926 and 1936, those years representing extremes of price undulations in the interwar period.

OPD Index Monthly Averages

	1947	1946	1945	1941
January	150.9	135.3	133.0	107.8
Year's av'age		138.8	133.3	123.2

Business in November



N.A.R.D. Fined in 'Trust' Suit

The National Association of Retail Druggists and the New Jersey Pharmaceutical Association were fined $5,000 each and nine other local and county pharmaceutical associations were fined a total of $5,250 on pleas of nolle contendre to antitrust indictment before Judge Thomas F. Meaney in the United States District Court for the District of New Jersey, at Newark, January 29. Indictments were dismissed against fifteen other officers and agents.

The indictment, which was returned March 26, 1942, charged conspiracy to fix retailers margin of products on drug store items. (a) by fixing the retail prices of such items, and (b) by fixing the prices at which the said retailers purchased drug store items from wholesalers. Drug store items were defined as including patent and proprietary medicines, cosmetics, toiletries, drug sundries, simple home remedies and other items customarily sold in drug stores.

The indictment further charged that the conspiracy was not formed with the intent of carrying out the purposes of either the Miller-Tydings amendment to the Sherman act or the New Jersey State fair trade law, but was formed for the purpose, among others, of fixing prices under the guise of compliance with such acts. The indictment made no attack on either the Federal or State acts, but was directed against the misuse of these acts in such a way as to constitute a violation of the antitrust laws.

The fines imposed upon the affiliate defenders were:—

Conference of Pharmaceutical Association Secretaries, $1,000; Essex County Pharmaceutical Association, $750; Bergen County Pharmaceutical Association, $500; Camden County Pharmaceutical Association, $500; Hudson County Pharmaceutical Association, $500; Mercer County Pharmaceutical Association, $500; Middlesex Pharmaceutical Association, $500; Passaic County Pharmaceutical Association, $500, and the Union County Pharmaceutical Association, $500.

Chemical Industry To Get Tankcars

OPD Washington Bureau

Steps towards a partial solution of the acute tankcar supply problem facing the chemical industry were taken last week by the Office of Defense Transportation with issuance of an order directing owners of large numbers of low-pressure cars to make 190 of them immediately available for shipment of ammonium nitrate solutions and sulphuric acids to the Army Ordnance plants.

The action, it was explained, will make it unnecessary for the Army to carry through with its plan for the recall of the 318 cars it owns, which are now in the service of the chemical industry. The problem connected with the Army's recall of its high-pressure cars, now on lease to the industry, has not been settled as yet, however, and this matter is still under consideration by Dr. John R. Steelman assistant to the President.

Under the ODT order, eleven concerns which are the owners of 1,000 or more tankcars are directed to lease 190 of these cars to the chemical companies having Army-owned tankcars in their services and these companies, in turn, are to convert the cars for the transportation of sulphuric acid and ammonium nitrate solution and make them available to the Army.

The cars to be converted must have an aggregate capacity of 1,425,000 gallons. In no case shall the car have a capacity of less than 6,400 gallons. Provision is made in the order, that in the event the parties are unable to agree upon the amount of compensation payable for use of the cars, this compensation is to be determined by ODT.

By its provisions, the order cuts across all contractual relation which the owners of the cars might have with their present leasees, and it is reported that this is causing considerable concern among them. The question has been raised whether or not ODT has the authority to direct the owners to void such contracts and

—*Continued on page 83*

Liquid Gas Cylinders Testing Rule Amended

OPD Washington Bureau

An amendment of its regulations to extend the time for retesting of certain liquefied petroleum gas cylinders until June 15, 1947, is announced by the Interstate Commerce Commission.

The amended order provides that liquefied petroleum gas cylinders constructed in accordance with ICC specification 4B which became due for quinquennial retest between December 7, 1941, and December 31, 1945, must be removed from service on or before June 14, 1947, unless retested as required by section 303 (p) (13) (a), (b) and other pertinent sections of these regulations.

Oil Cakes, Meals Allocated to France

OPD Washington Bureau

The Department of Agriculture announces a commercial allocation of 10,000 long tons of oil cakes or meals to France. The allocation is good for the first six months of this year.

Any type of oil cake or meal may be procured against the allocation. The department stated, however, that in order to assure that the export of feeds does not interfere with the export program of food grains, France has been asked to limit procurement to supplies now at or near ports, so as to minimize the use of rail facilities which are needed in the movement of grain for export.

It is expected that France will procure and ship this allocation at once. Procurement here will be charged to France's world allocation of protein feeds as recommended by the International Emergency Food Council.

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General Mills Elects Four Vice-Presidents

General Mills Inc., Minneapolis, Minn., has elected Eugene W. Burgess, Charles H. Bell, Henry S. Crosby and Raymond L. Brang as vice-presidents. Richard J. Keeler has been named treasurer, succeeding Karl E. Humphrey, who retired because of illness.

Joins Warner & Co.

E. Walton Bobst has resigned from Roche Organon, Inc., subsidiary of Hoffman-La Roche, Inc., pharmaceutical manufacturer, Nutley, N. J. He will join William R. Warner & Co., New York, on March 1 as a vice-president.

Surplus Materials, Equipment Offered

The following items in the categories of chemicals and related materials and commodities are included among the offerings in current sales by the War Assets Administration:—

Benzil, pharmaceutical grade, "large quantity" in 75-pound bags, samples and particulars from Chemical Section, War Assets Administration, 505 North Seventh street, St. Louis.

Chrome ore, plastic, 7,000 pounds, 2.13 cents per pound, Philadelphia, sale No. 8-034-01.

Dynamite, ammonia, 60 percent ammonium nitrate, 118,500 pounds, 4 cents per pound, Philadelphia, PHO-71-434; gelatin, 75 percent base nitroglycerin, and nitrocotton, 147,099 pounds, 4 cents per pound, same listing; 60 percent base nitroglycerin and nitrocotton, 45,010 pounds; 4 cents per pound, same listing.

Silica gel, 1-ounce to 1-pound bags, two lots, 8,405 pounds, Tulsa, TUO-71-130, February 12.

Thinner, AN-N-3, 671 gallons, 12 cents per gallon, Seattle, SE-E-1144.

TNT, grade 1, raw unworked, bagged, 95,950 pounds, 7 cents per pound, Phila-

—Continued on page 37

Bids Wanted

Calcium carbide, 50,000 pounds, Purchasing Officer, Panama Canal (Washington, D. C.) schedule 8516, February 11.

Calcium chloride, 10,000 pounds, Purchasing Officer, Panama Canal (Washington, D. C.) schedule 8516, February 11.

Caustic soda, 14,100 pounds, Post Office Department (Washington, D. C.) invitation 1848, February 7.

Gelatin glue, ground, 10,000 pounds, Bureau of Engraving and Printing (Washington, D. C.) invitation BEP-463, February 11.

Linseed oil, boiled, 2,350 gallons, raw, 250 gallons, Treasury Department (Marietta, Ga.) invitation 06-4245, February 7.

Lubricating oil, Veterans Administration (Washington, D. C.) invitation D-74, February 7.

Motor fuel, as required from April 1 through July 31, Treasury Department (Washington, D. C.) invitation 9G-9430-R, February 7.

Paint, enamel, 2,586 gallons, Army Air Corps (Dayton, Ohio) invitation 322, February 13; 450 gallons, Treasury Department (Marietta, Ga.) invitation 06-4245, February 7; State of New York, Division of Standards and Purchase (Albany, N. Y.), group 380, February 5; **Various types,** 6,847 gallons, Treasury Department (Marietta, Ga.) invitation 06-4245, February 7; 1,500 gallons, Treasury Department (Fort Worth, Texas) invitation FW-987, February 10; State of New York, Division of Standards and Purchase (Albany, N. Y.) group 380, February 5.

Paint thinner, 3,800 gallons, Treasury Department (Washington, D. C.) invitation 5W-48675-R, February 5.

Paint & varnish remover, 1,577 gallons, State of New York, Division of Standards and Purchase (Albany, N. Y.) group 380, February 5.

Putty, State of New York, Division of Standards and Purchase (Albany, N. Y.) group 380, February 5; linseed oil, 500 pounds, Treasury Department (Marietta, Ga.) invitation 06-4245, February 7.

Shellac, orange, 840 gallons; white 1,646 gallons, State of New York, Division of Standards and Purchase (Albany, N. Y.) group 380, February 5.

Shortening, 130,000 pounds, U. S. Department of Agriculture, Fats and Oils Branch (Washington, D. C.) announcement FO-28, February 5.

Soap, cleaning paste, 32,000 pounds, Post Office Department (Washington, D. C.) invitation 1863, February 7; **powder,** 5,500 pounds, Veterans Administration Hospital (Bronx 63, N. Y.) invitation 47-363, February 10; **toilet,** 1,200 gallons, Post Office Department invitation 1847, February 7.

White lead, 108,750 pounds, Treasury Department (Marietta, Ga.) invitation 06-4245, February 7.

Margarin Tax Doom Sustained in Penna.

The Supreme Court of the Commonwealth of Pennsylvania, January 30, declared unconstitutional the 1902 State law imposing heavy license fees on distributors of oleomargarin.

Upholding the Court of Common Pleas of Dauphin County, the State supreme court declared that the license fees of $500 for a wholesaler and $100 for a retailer were "arbitrary, unreasonable, confiscatory, and prohibitive."

Brown Leaves OWMR For Publicker Industries

Lawrence Brown has resigned as chief of the industrial division of the Office of War Mobilization and Reconversion to become assistant to the

Lawrence Brown

president of Publicker Industries Inc., Philadelphia.

Mr. Brown entered government service in August, 1940, and has served as chief of chemicals in the office of production management, assistant director of the chemicals bureau of the War Production Board, and director of the chemicals division of the Civilian Production Administration. He established a system of allocations that were used throughout the war in the chemical and drug industry.

Market Reports

Flaxseed situation at Minneapolis continued to tighten up last week with prices holding firm at $7.25 for spot. Flax receipts at Minneapolis picked up but slightly despite easing in the car situation with total receipts for the week ending Tuesday, Jan. 28 at 935,000 bushels as compared with 99,500 bushels last year; shipments 61,200 bushels as compared with 28,500 bushels last year.

Linseed meal at Minneapolis slowed materially as soybean meal prices tumbled $10 per ton and buyers became a little panicky. Linseed meal supplies were extremely light.

Linseed Oil—Buenos Aires, Jan. 31.—Exports totaled 531 tons last week to undisclosed desinations. Total shipments were 21,092 tons since January 1. No flaxseed shipments were made last week.

Red Lead—Prices for red lead in oil have been advanced 1c. per pound for package shipments. The price for 100-pound packages became 24¼c. per pound.

White Lead—Consumers' price for white lead in oil was advanced ¾c. per pound with the price for 100-pound kegs becoming 24½c. per pound. Painters' price was 1c. per pound higher with a price of 23¼c. per pound being quoted for 100-pound kegs.

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Insect Control Methods Reported

OPD Washington Bureau

New insecticides and new ways of applying them, as well as improvements in insecticide distributing equipment, received major research emphasis during 1946, according to Dr. P. N. Annand, chief of the Bureau of Entomology and Plant Quarantine, in his annual report to the administrator of Agricultural Research Administration of the Department of Agriculture.

The report shows that bureau scientists conducted extensive experiments to determine possible future usefulness of new insecticides, that new equipment for applying them was designed, constructed, and tested, and that new methods for controlling insects were planned.

New insecticides being investigated include benzene hexachloride, hexaethyl tetraphosphate, a chlorinated camphene, and a chlorinated hydrocarbon. Benzene hexachloride may prove valuable in cotton insect control. Hexaethyl tetraphosphate seems valuable for control of red spider and red mites and may result in more effective control of these pests. The chlorinated materials may help fill insecticidal needs where DDT and other insecticides are ineffective.

Phila. Drug Exchange Reelects Officers

E. F. Schafer, Philadelphia branch manager for the Owens-Illinois Glass Company was reelected president of the Philadelphia Drug Exchange, at its eighty-seventh annual meeting held in the Downtown Club, Philadelphia, January 30.

Other officers reelected were:—Vice-president, Malcolm W. Cox, district manager for Eli Lilly & Co., Indianapolis; treasurer, Harold C. Halberstadt; secretary, J. Mervin Rosenberger, of the Smith, Kline & French Company.

Elected to the directorate were:—D. E. Applin, of Mallinckrodt Chemical Works; R. G. Anderson, of Merck & Co.; Harry C. Anderson, of the Krull Wholesale Drug Company; Robert E. Burns, of Ramer Pharmacal Company; A. B. Collins, of the National Drug Company; Richard L. Durst, of S. F. Durst & Co.; Frank F. Law, of Wyeth, Inc.; B. A. Ludgate, of the Armstrong Cork Company; Walter P. Miller, jr., of the Walter P. Miller Company; Paul S. Pittenger, of Sharp & Dohme, Inc.; Herbert C. Rorer, of William H. Rorer, Inc., and Charles Vanderkleed, of McNeil Laboratories, Inc.

Foote Mineral Names Shutt Research Head

Dr. Richard S. Shutt has been made director of research for the Foote Mineral Company, Philadelphia. Dr. Shutt is responsible for planning and coordinating the many product research and development programs the company has initiated. Dr. Shutts holds a Ph.D. degree in physical chemistry from Ohio State University. He was formerly with Batelle Institute, Columbus, Ohio, the Glidden Company and E. I. du Pont de Nemours & Co.

Foreign Sales Leads

Anyone interested in supplying the following inquiries with goods or information can get the full address of the inquirer by communicating—not by telephone, please—with the OPD office:—

Acetone, Rio de Janeiro, Brazil **(D-13).**

Agricultural chemicals, Sao Paulo, Brazil **(D-14).**

Anilin dyes, Rio de Janeiro, Brazil **(D-13).**

Barytes, Turnhout, Belgium **(D-9).**

Betanaphthol, Brussels, Belgium **(D-1).**

Butyl acetates, Brussels, Belgium **(D-1).**

Butyl alcohols, Brussels, Belgium **(D-1);** Rio de Janeiro, Brazil **(D-13).**

Cadmium anodes, Rio de Janeiro, Brazil **(D-13).**

Carbon black, Rio de Janeiro, Brazil **(D-13).**

Carborundum, Rio de Janeiro, Brazil **(D-13).**

Chemicals, Sao Paulo, Brazil **(D-4** and **D-14).**

Chloride of lime, packaged, Brussels, Belgium **(D-10).**

Copper carbonate, Baghdad, Iraq **(D-2).**

Cosmetics, Brussels, Belgium **(D-3** and **D-8).**

—Continued on page 37

Radioactive Phosphorus Used in Soil Study

OPD Washington Bureau

Radioactive phosphorous is being utilized at the North Carolina Agricultural Experiment Station for research on the fundamental principles of phosphate fixation and release by soils. The project is being supported by a grant from the phosphate research committee of the National Fertilizer Association.

Maurice H. Lockwood, president of the association, in revealing the project last week said that discoveries in the atomic field during the war had enabled the stepping up of the output of radioactive phosphorous to a point where the research was made possible.

The technical committee responsible for the work is headed by Dr. V. Sauchelli, of the Davidson Chemical Corporation, and consists of Dr. H. B. Siems, of Swift & Co.; R. R. Hull, of I. P. Thomas & Sons Company; H. E. Hendricks, of the Knoxville Fertilizer Company, and F. E. Boyd of the Virginia-Carolina Chemical Corporation.

Dr. Sauchelli also is chairman of the administrative committee, which is composed of J. E. Totman, of Northeastern Chemical Industries, Inc., and F. W. Darner, of the Tennessee Corporation.

Mr. Lockwood pointed out that plants fed with fertilizer phosphate are often low in their use of this particular plant food, and said that although it is impossible to forecast the results of the atomic research, scientists are hopeful that the new tool will supply the answer to the low rate of recovery.

"Once equipped with the answer," he said, "much higher rate of phosphate recovery by plants may lie ahead, with consequent improvement in fertilizer efficiency and lower costs to the user."

Explaining how radioactive phosphorous is used in agricultural research, Mr. Lockwood said that this form of elemental phosphorous can be made up in any of the usual types of

—Continued on page 50

U.S. Names Delegates To Uruguay Conference

OPD Washington Bureau

A representative delegation of United States businessmen will attend the third plenary session of the Inter-American Council of Commerce and Production at Montevideo, Uruguay, April 8 to 11, it is announced by William K. Jackson, vice-president of the United States section and president of the Chamber of Commerce of the United States.

At the same time, Mr. Jackson announced the membership of the United States section for 1947. Among those appointed were Robert H. Patchin, vice-president of W. R. Grace & Co., New York; L. C. Boos, president and general manager of the United States Rubber Export Company, New York; J. F. Drake, president of the Gulf Oil Corporation, Pittsburgh; R. A. Hummel, president of the Lone Star Cement Corporation, New York; H. F. Johnson, jr., presiwent of S. C. Johnson & Sons, Racine, and Thomas W. Palmer, counsel of the Standard Oil Company of New Jersey.

Sharples, Continental Oil Form New Firm

Sharples Chemicals, Inc., Philadelphia, and the Continental Oil Company, New York, have organized the Sharples Continental Corporation as a manufacturing orzanization for the production of synthetic organic chemicals from petroleum raw materials. The first production unit of the new company will be located in Baltimore on the site of a former refinery of the oil company.

Officials of the new firm are Paul Kendall, executive vice-president of Sharples Chemicals, and Harold Osborne, vice-president of Continental. Both will retain their positions with the parent companies.

The Baltimore plant will manufacture nonylnaphthalene, which will be marketed by Sharples Chemicals under the trade name "Neolene." Offices of the new organization will be maintained at Baltimore, Philadelphia and Ponca City, Okla.

CPA Certificates Honored by WAA

OPD Washington Bureau

Outstanding Civilian Production Administration urgency certificates, formerly not valid against government-owned surplus which the War Assets Administration had advertised for sale, may now be used to buy such surplus when the public offering so states, CPA said last week.

Although CPA no longer issues urgency certificates, at the time of the revocation of Direction 16 to Priorities Regulation 13, under which they had been issued, it was stated that those outstanding would remain valid.

Household Dyes Trade Rules Issued

OPD Washington Bureau

Proposed trade practice rules for the household dye industry were issued last week by the Federal Trade Commission for consideration at a hearing before the commission February 13.

The rules are the result of conference held with the industry November 18 because of widespread practices in the industry which the commission felt could best be handled on an industry-wide basis rather than through actions against individual concerns.

Various advertising and selling methods which are productive of deception of purchasers, either by reason of false or inaccurate description of the results to be achieved by use of the products, the requisites for their application, or other misrepresentations, or by reason of concealment of facts relating thereto, are covered in the rules.

Like the cosmetic industry, the household dye industry also has been troubled by the problem of the use of demonstrators and payment of "push money" or "spiffs" to increase sales of its products. Considerable attention

—Continued on page 43

Sterling Acquires Ladox Labs and Dr. D. Jayne

Sterling Drug, Inc., New York, has acquired the Ladox Laboratories, Inc., and Dr. D. Jayne & Son, Inc., both Philadelphia, and will operate the firms as subsidiaries, with their present administrative and technical staffs.

Tariff Pacts Committee Hears Further Protests on Reductions

OPD Washington Bureau

With Congressional opposition mounting in the Republican controlled senate and house against the administration's reciprocal trade agreements program, hearings before the committee for reciprocity information were completed last week in another wave of protests from the chemical industry against any reduction in existing tariffs for chemicals and allied products.

Representatives from the chemical industry told the committee that now is not the time for consideration of any tariff concessions and all plans in this respect should await the settlement of world conditions when it will be better known what the plans of the other nations are, both as regards the entrance of products into the world markets of new industries created during the war, and the actions of state monopolies.

More than 330,000 words were entered into the record of the three weeks of hearings before the committee, more than 90 percent of which were in opposition to any further tariff cuts. This record is to be stripped down to its essential facts and turned over to the negotiators of the state department for their use and guidance in the trade agreements discussions set for next spring.

Because of increasing Congressional opposition, a shadow has been cast over the aims of the department to negotiate the agreements. Officials are cognizant of the growing movement and are watching developments on Capitol Hill closely for any signs that will compel them to call the negotiations off. They have informed the congressmen that they have no intention of rushing into the negotiations just for the sake of having a new agreement, and have promised to weigh every concession most carefully before yielding to the other bargaining nations.

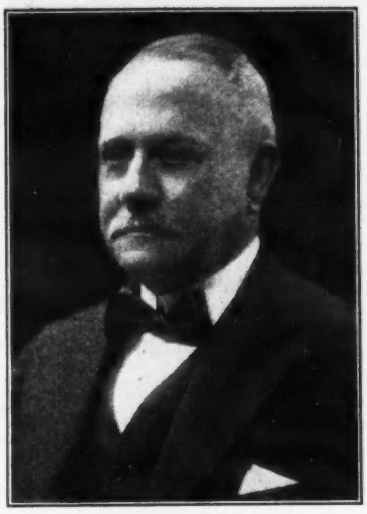
Up to the present, the Republican opposition has been mostly vocal from the rank and file members. A number of bills and resolutions have been introduced in both bodies to halt the negotiations, exempt this or that class of product from the discussions, require senate ratification of the agreements, or otherwise hamstring the program, but there has been no indication from the Republican leaders themselves that consideration will be given these measures.

At the closing day of the hearings much emphasis was laid upon the lack of knowledge of what role the German

—Continued on page 44

E.F. Beale Retires From National Lead

Edward F. Beale, a director and former vice-president of the National Lead Company, New York, and chairman of the board and former president of the



Edward F. Beale

John T. Lewis & Brothers Company, National Lead's Philadelphia branch, retired January 28. He was succeeded as a director by David A. Merson, manager of the oxide sales and sales

—Continued on page 80

Interchemical Elects Quigley President

Joseph A. Quigley, formerly vice-president and general manager of the In-tag division of Interchemical Corporation, New York, has been elected president. Mr. Quigley succeeds Earl H. McLeod.

Lidbury Retires from Oldbury Presidency

Frank Austin Lidbury, president, treasurer, and general manager of the Oldbury Electro-Chemical Company, Niagara Falls, for the past twenty-five years, has retired, effective January 30. Mr. Lidbury first became associated with the Oldbury company in 1903 as a chemist. He has made no formal announcement of his plans for the future, but he has always talked about wishing he had time to devote himself to individual experimental work—and he probably will.

Subsequent to Mr. Lidbury's resignation, the company has elected a new official family as follows:—President and treasurer, Walter Wallace; vice-president and assistant treasurer, Dr. Earl L. Whitford; secretary, Dr. Marion B. Geiger; assistant secretary, A. T. Hinckely.

N. Harold Fyffe, manager of the New York office of the Oldbury company, has been made general sales manager. He will continue his office at 19 Rector street, New York.

Business Advisory Council Membership Set

John L. Collyer, president of the B. F. Goodrich Company, Akron, Ohio, has been elected chairman of the Business Advisory Council of the Department of Commerce for 1947. He succeeds G. M. Humphrey, president of the M. A. Hanna Company, Cleveland.

Marion B. Folsom, treasurer of the Eastman Kodak Company, Rochester, N. Y., was elected a vice-chairman of the council. Among the new members elected were Langbourne M. Williams, jr., president of the Freeport Sulphur Company, New York; F. H. Haggerson, president of the Union Carbide & Carbon Corporation, New York, and John Holmes, president of Swift & Co., Chicago.

Washington Talks It Over

The OPD Observer

Congressional action on the portal-to-portal pay issue is shaping up rapidly and can be expected to emerge as the first major decision of the new session. The form which the legislative "remedy" finally takes remains to be seen, but indications are clear that Congress intends to do something to relieve industry of the uncertainty created by the multi-billion-dollar suits.

Hearings now in progress before the senate judiciary committee are along the lines of direct amendment to the fair labor standards act to define the terms, "work" and "workweek," and impose a statutory limitation. House committee hearings have not yet started, but they will be held on the Gwynne bill to require that actions for wages and damages be started within one year of accrual, except for existing causes of action, which must be started within ninety days after the law becomes effective.

Congress seems convinced that the granting of the many claims now made against industry by labor in its suits for portal-pay will have serious effects upon the economic wellbeing of the nation, and at a time when the pipelines of supply need to be kept filled to overcome shortages and combat inflation. There is also the question of the effect of these suits on the Federal treasury. It is estimated that the government will be the big loser by some $3,000,000,000, this being the amount it would have to refund to industry for work during the war on cost-plus contracts.

Soil Conservation Grows

The Soil Conservation Service has set itself the task of applying twice as much soil conservation work to United States farmland in the current year as was established during the past year. And more was done last year than in any single year before.

H. H. Bennett, chief of the service, says that this means that successful combined practices will have been established on more than 30,000,000 acres of farmland during the fiscal year 1947, in comparison with almost 16,000,000 covered in the fiscal year 1946. It means that, by July, 1947, the total acreage of farm and ranchland in the United States covered by complete soil and water conservation farming programs will be around 115,000,000 acres.

The goal of doubling operations in 1947 is high, Mr. Bennett says, but it is believed necessary.

Tideland Ownership

A renewed effort is being made in Congress to void the Government's claims to tidelands in the territorial waters offshore to the 3-mile limit, but it appears unlikely that the movement will come to a head before the supreme court has had a chance to pass upon the question.

The States almost without exception

—Continued on page 38

What's NEW at NYQ

Bismuth Output Up

The installation of modern, improved vacuum dryers has resulted not only in higher production, but also has been instrumental in a decided improvement in color, texture and uniformity. In addition this improved vacuum drying protects the purity of products during the manufacturing cycle.

Bismuth Subcarbonate **Bismuth Subnitrate**
Bismuth Subsalicylate **Bismuth Subgallate**
And other Bismuth Salts

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1-Benzamido-1:4-bis-para-isopropanesulphonylbenz-amidoanthraquinone

Dye—Claimed (Brit. 549640) as brilliant scarlet to red vat dye of good light fastness.

Betadimethylaminoethyl-carbazole 2-Carboxylate

Pharmaceutical—Claimed (U.S. 2250-004, 2250005, and 2250006) as local anesthetic.

Beta(hydroxypropylamino)-ethylamide of Palm Oil Fatty Acids

Chemical—Starting point (Brit. 541-682) in making emulsifying agents of low melting point by condensing with aliphatic aldehydes, and water-soluble detergents, wetting and foaming agents, resistant to acids and alkalies and insensitive to calcium and magnesium by condensing with aliphatic aldehydes and sulphonating.

Betaiminodipropionic Acid Dibutylester

Chemical—Reactant (U.S. 2249134 and 2249135) in making dibutyl diethylcyanamidebeta-beta'-dicarboxylate.

Butyl Betaglycolate

Mining—Flotation agent (U.S. 2251-217) in concentrating calcite from mica and quartz with the aid of oleic acid; copper sulphide; hematite from siliceous material with the aid of coconut oil fatty acids; molybdenite.

4-Camphorylidene Sulphanilamide

Pharmaceutical—Claimed (U.S. 2237-342) as therapeutically effective agent.

2-Chloromercuri-5-ethyl-thiophene

Agriculture—Disinfectant for seeds.

5-Chloro-8-methoxy-6-pyridyl-quinolin

Pharmaceutical—Claimed (Brit. 544-190) to have valuable therapeutic properties.

Cobalt Chromate

(Basic Cobalt Chromate, Cobaltous Chromate)

Ceramic—Pigment in coloring ceramic products.

Chemical—Catalyst in organic syntheses.

Ingredient of catalystic mixtures used in synthesis of organic chemicals.

Starting point in making catalysts.

Cresylic Acids Butylester

Mining—Frothing agent (U.S. 2250-190) in flotation process for lead ores.

Association Meetings

American Management Association Conference on Packaging, Packing and Shipping, Convention Hall, Philadelphia, April 8-11.

American Society for Testing Materials (Benjamin Franklin hotel, Philadelphia, February 24.

American Water Works Association 1947 Conference, Auditorium, San Francisco, July 21-25.

Chemical Market Research Association, Mount Royal hotel, Montreal, February 6.

Federal Wholesale Druggists Association, Pennsylvania hotel, March 3-5.

Inter-Society Color Council, Pennsylvania hotel, February 24-25.

Metal Powder Association, Waldorf-Astoria hotel, May 27.

National Association of Corrosion Engineers, Palmer house, Chicago, April 7-10.

National Association of Purchasing Agents, Waldorf-Astoria hotel, New York, June 2-4.

National Wholesale Druggists Association, Palmer house, Chicago, Ill., April 21-23.

Natural Gasoline Association of America, Baker hotel, Dallas, Tex., April 23-25.

Southern Paint and Varnish Production Club, Peabody hotel, Memphis, March 20.

Technical Association of Pulp and Paper Industry, Commodore hotel, New York, February 24-27.

Phosphate Rock Put On General License

OPD Washington Bureau

The Office of International Trade has added phosphate rock to the list of commodities which may be exported under general license to the Philippine Island and to all destinations in North and South America, as indicated in Schedule B in the Bureau of Census. The agency also has removed cornstarch and corn flour from the list of commodities requiring validated licenses for export, and placed them on general license for export to Group K countries.

Consulting Chemists View Role in Peace

A symposium on "The Importance of the Consulting Chemist and the Chemical Engineer in National Economy and Industrial Peace," highlighted a meeting of the Association of Consulting Chemists and Engineers at the Sheraton hotel, New York, January 29.

Speakers were Dr. Charles S. Keevil, of Arthur D. Little Company, Cambridge, Mass.; Dr. John Bjorksten, president of Bjorksten Laboratories, Chicago; Dr. Bernard L. Oser, of the Food Research Laboratories, and Nicholas M. Molnar, of Molnar Laboratories, who is president of the association.

The increasingly important part being played by science in the progress of man was stressed by Dr. Keevil, who said that, as a result, the consultant, as well as other men of science, must consider the social and economic implications of the advances in science and technology.

"In guiding new activities, in starting new ventures, in helping management to make sound decisions and in contributing to the solution of technical problems," he said, "the consultant will have a heavy responsibility and will play an important part in bringing about the abundant production that is essential to national prosperity."

Dr. Keevil declared that it is probable that advice on technical matters will continue to be a major contribution of the consultant, supplementing

—Continued on page 60

Du Pont Will Award 75 Fellowships

E. I. du Pont de Nemours & Co., Wilmington, Del., will award seventy-five post-graduate and post-doctoral fellowships to forty-six universities for the 1947-48 academic year. The only addition to last year's program is a post-graduate fellowship in chemistry at Oregon State College.

East post-graduate fellowship provides $1,200 for a single person or $1,800 for a married person, together with a grant of $1,000 to the university. Forty-two of the post-graduate fellowships are in chemistry, fifteen in chemical engineering, five in physics and seven in mechanical engineering. The plan provides for six post-doctoral fellowships in chemistry.

Patent Office Appoints Trademark Counsel

OPD Washington Bureau

Walter J. Derenberg, of Washington, D. C., has been appointed trademark counsel for the Patent Office and will be active in the formulation of the rules and interpretations of the Lanham trademark law which takes effective next July, it is announced. Mr. Derenberg was formerly counsel to the United States Trademark Association and lectured on trademark law at New York University and at the Practicing Law Institute in New York.

Metal Powder Ass'n To Meet May 27

The third annual Spring meeting of the Metal Powder Association will be held at the Waldorf-Astoria hotel, New York, May 27. There will be morning and afternoon technical sessions and general discussion from the floor.

Stoneware Sales Head

Hubert Royer has been appointed sales manager of the chemical stoneware division of the United States Stoneware Company, Akron, Ohio, according to Howard Farkas, vice-president and general sales manager.

Canadian Chemical Data Gathering Described

OPD Washington Bureau

Work of the Canadian Bureau of Statistics in gathering information on the Canadian chemical industry and its hope of expanding this work in the future was the subject of a brief talk bp W. H. Losee, Director of the Census of Industry and Merchandising before the Interdepartmental Committee on Chemical Statistics January 29.

Mr. Losee said that the Bureau of Statistics is the central statistical gathering agency of the Canadian government and annually conducts a census of manufacturing on the number of persons employed, wages paid, materials used and products made. Industries are required by law to reply to the census questionnaires and their failure to do so can bring court action.

One of the weaknesses in the Canadian system, he said, is its failure to completely cover the consumption of chemicals. He cited the mining industry as a big user of chemicals, but no effort is made to gather its figures on consumption because of the difficulties involved. Another weakness, he cited, was in the reporting of imports. Too many products fall in the basket clause of the Canadian customs and lose their identity.

Furthermore, he added, the value of Canadian import figures is lost by reason of the fact that it depends often on the purpose for which an import is

—Continued on page 45

Canada Chemical Inst. Plans Montreal Meeting

The Chemical Institute of Canada will conduct an eastern regional conference of its protective coatings group at the Mount Royal hotel, Montreal, March 14.

Among the papers to be presented are "Selection of Protective Coatings," K. G. Compton, Bell Telephone Laboratories; "Anodic Coatings on Aluminum and their Protective Value," D. M. McLachlin and H. P. Goddard, Aluminum Laboratories, Ltd.; "Applications for Thermosetting Resins in Other than the Surface Coating Industry," E. S. Bauer, Monsanto Chemical Company; "Esterification," C. Y. Hopkins, National Research Council, and "Metal Lacquers," J. K. Speicher, Hercules Powder Company.

San Francisco Export Managers Elect Officers

The Export Managers' Association of San Francisco has elected as president Joe Marias, president of the Associated Commercial Company. Other officers elected are vice-president, Victor A. Indig, export manager of the American Rubber Manufacturing Company; secretary, A. E. Ojeda, special representative of the foreign trade department of Standard Oil Company of California, and treasurer, D. M. Mari, export manager of Fireboard Products, Inc.

Compressed Gas Cylinders Studied

Discussion of cylinder specifications, codes and regulations applicable in construction of low-pressure vessels, technical developments of military portable oxygen plants, fluorine under pressure, low temperature research and the future of atomic energy, featured the thirty-fourth annual meeting of the Compressed Gas Manufacturers' Association, in the Waldorf-Astoria hotel, New York, January 27 and 28.

Charles G. Andrew, of the Air Reduction Company, New York, was elected president. Other officers elected were:—First vice-president, L. W. Hench, of the American Oxygen Service Company; second vice-president, Edmund Rowland, of the Henry Bower Chemical Manufacturing Company, Philadelphia; secretary-treasurer, F. R. Fetherston.

Howard A. Willis, a staff member of the association, presented a comparative analysis of cylinder specifications. He stated that the modern trend in cylinder design tends toward higher stresses and thinner walls. Private specifications, he said, for cylinders were claimed to be better and more stringent than the Interstate Commerce Commission specifications.

With respect to limitation of service life of cylinders, Mr. Willis said that the I. C. C. requires the passing of the hydrostatic test once every five years and lets it go at that. He urged the use of the yield method of test as a more significant measure of service life limitation. He felt that the hydrostatic test leads to confidence in deteriorated cylinders.

Low-Pressure Vessels

R. E. Cecil of the Scaife Company, Oakmont, Pa., and a member of the American Society of Mechanical Engineers and the A.P.I.S.M.E. code committees discusse da comparison of low-pressure vessels constructed in compliance with different codes and regulations. Stating that there is not too much difference between the various codes, Mr. Cecil explained that interest in these codes is limited to cylinder manufacturers, gas manufacturers and the common carriers. He felt that greater consumer interest should be created.

The most important factors in cylinder construction, Mr. Cecil said, are the yield value, tensil strength, and ductility of the metal so that under an overload the cylinder can stretch. Petroleum gases, such as propane, he said, are liquid and not gas in the cylinder, and convert to gas under lowered pressure. This, Mr. Cecil said, was important because in a gas filled cylinder a 10 percent overload matters little, whereas in the case of a gas like propane an overload of 4 percent or 5 percent may be hazardous.

Little constructional difference, Mr. Cecil said, lies between the A.S.M.E. code and the A.P.I.S.M.E. code. Comparing A.P.I. and I.C.C. seamless cylinders, he said that the wall thickness does not vary over 2 percent On seamed cylinders, in the eyes of the law, he said that 20 percent thicker walls are required at the same margin of safety.

Leon F. Banigan of the National Council of Private Truck Owners,

—Continued on page 62

Benzene Hexachloride Production Planned

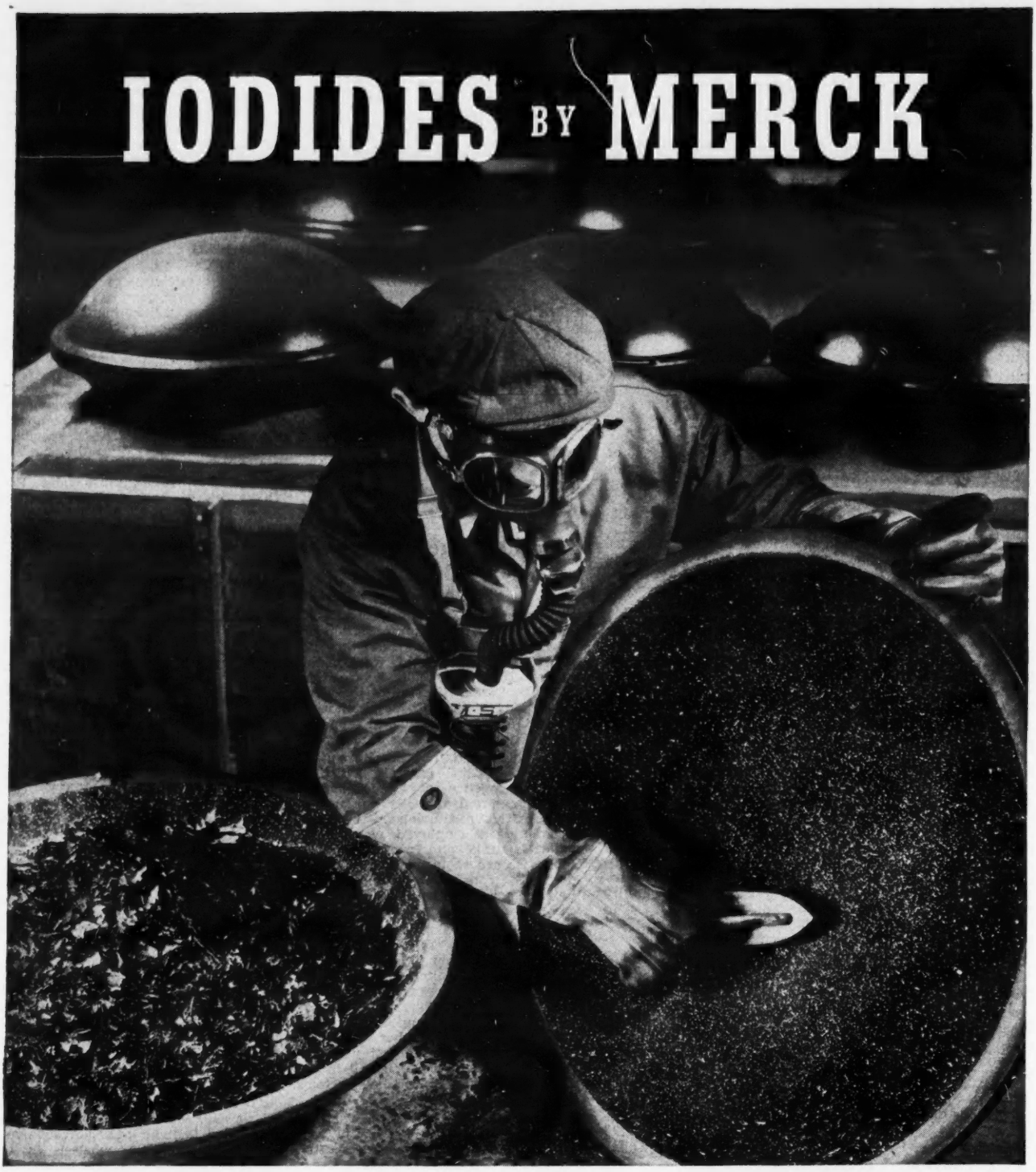
The Commercial Solvents Corporation, New York, is constructing a $500,000 plant at Terre Haute, Ind., for production of benzene hexachloride, a new insecticide. The plant is expected to be finished by spring and the company will market the product under the trade name "Sixide."

According to the company, Department of Agriculture tests indicate that benzene hexachloride gives promise of destroying the cotton boll-weevil, cotton aphid and other sucking insect pests of cotton.

Toilet Goods Ass'n Gets Washington Counsel

The Toilet Goods Association has retained the firm of Hamel, Park & Saunders as counsel in Washington, D. C. Mock & Blum, New York, continues as general counsel for the association.

IODIDES BY MERCK



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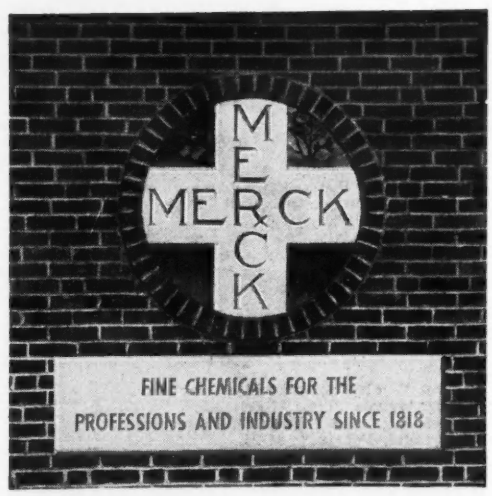
Iodoform
Potassium Iodide
Potassium Iodide Mixtures
Sodium Iodide
Thymol Iodide
and other Iodide Salts



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Current Market Quotations Chemicals and Related Materials

January 30, 1947

Unless otherwise indicated, quotations are first-hands on large lots, f.o.b. New York. Price changes and trends are noted in the market reports, with other informative comment. The locations of these reports are given in the table of contents on page 4.

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A

Acacia (see Gum, Arabic).

Acetaldehyde, 99%, dms., 55 gals., works..lb. .11 - .12
5 and 10 gals., works....lb. .14 - .15
tanks.....lb. .08 - .09

Acetaldol (see Aldol).

Acetamide, CP, fib. dms......lb. .65 - .75
tech., fib. dms.....lb. .33 - .43

Acetanilide, tech., cryst., powd., bbls. c.l...lb. .19 - —
l.c.l......lb. .28 - —
kgs......lb. .35 - —
USP, cryst., powd., bbls., 2,000-lb. lots..lb. .40 - .41
smaller lots.....lb. .41 - .42

Acetic anhydride, dms., c.l., frt. alld..lb. .11¼- —
l.c.l., frt. alld.....lb. .13 - —

Acetoacetanilide, bbls., dms....lb. .60 - —

Acetone, CP, dms., c.l., divd..lb. .08 - .11¼
l.c.l., divd.....lb. .08½- .12
tanks, divd.....lb. .07 - .10

Methyl (see M).

Acetonitrile, dms., c.l., works..lb. .45 - —
l.c.l., works.....lb. .50 - —
5-gal. lots, works.....lb. .55 - —
less than 5-gal. lots, works..lb. .60 - —

Acetophenetidin, USP, bbls., kgs., 1,000-lb. lots..lb. 1.00 - —
dms......lb. 1.08 - 1.10

Acetophenone, cns., dms.....lb. 1.50 - 1.75

Acetyl chloride, cbys., works.lb. .60 - —

Acid, abietic, doms., c.l., wks..lb. .07½- —
Acetic, com'l or redist., 28%, bbls..100 lbs. 3.75 - 4.03
50%, bbls.....100 lbs. 7.56 - 7.81
70%, bbls.....100 lbs. 9.45 - 9.70
80%, bbls.....100 lbs.10.80 -11.05
99.5%, bbls.....100 lbs. — - —
glacial, synthetic, C.P., dms., works..100 lbs. 13.20 -13.75
tanks.....100 lbs. 7.62 - 7.92
tech., works.....100 lbs. 9.90 -10.20
tanks, works.....100 lbs. 7.62 - 8.12
USP, dms., works..100 lbs.11.60 -11.65
pure, 30%, bbls.....100 lbs. 4.41 - 4.69
36%, bbls.....100 lbs. 4.80 - 5.11
60%, bbls.....100 lbs. 7.60 - 7.85
80%, bbls.....100 lbs.10.80 - —
USP, 36%, cbys.....lb. .1000- .1605

Acetic acid price ranges above are for c.l. and l.c.l. quantities. Carboys and cases are 50c. per 100 lbs. higher.

Acetic anhydride (see Acetic anhydride above)

Acetylsalicylic, special, USP, bbls., makers, primary distrib., point of shipm't, 100-lb. lots..lb. .50 - —
smaller lots.....lb. .51 - .64

standard USP,, fine cryst., gran. (30-40 mesh), powd. (80 mesh), bbls., same basis.
lb. .45 - .59

Freight equal'd, shipment identical quantity over standard routes, from N. Y. City, Phila., Midland, Mich., Chicago and St. Louis.

Aminoacetic, USP, cryst., powd., bbls., frt. adjusted..lb. 1.50 - 1.67
Anthranilic, resub., bbls....lb. 2.00 - 2.20
tech., bbls.....lb. .90 - —

Arsenous, tech. (see Arsenic, white).

USP, powd., dms., kgs....lb. .20 - .22

Ascorbic, USP, dms., 500-kilo lots..kilo.24.50 - —
25-50 kilo lots.....kilo.25.00 - —
10-kilo lots.....kilo.25.35 - —
5-kilo lots.....kilo.25.70 - —
bots., k'lo lots.....kilo.26.41 - —
500 grams.....kilo.27.47 - —

Battery, cbys., c.l., E. works.. 100 lbs. 1.60 - 1.75
l.c.l., E. works.....100 lbs. 2.05 - 2.75

Benzoic, tech., bbls., 4,000 lbs. or more..lb. .43 - —
1,000 to 3,900 lbs.....lb. .44 - —
900 lbs. or less.....lb. .47 - —

USP, bbls., 4,000 lbs. up..lb. .54 - —
1,000 to 3,900 lbs.....lb. .55 - —
900 lbs. or less.....lb. .58 - .59

dms., 4,000 lbs. up.....lb. .55 - .56
1,000 to 3,900 lbs.....lb. .56 - .57
900 lbs. or less.....lb. .58 - .59

Betaoxynaphthoic, bbls., works. lb. .95 - -

Boric, tech., 99.5%, gran., bulk, ton.95.50 -100.00
paper bgs., c.l., frt. alld. ton.99.00 -105.00
ton lots, ex whse. N. Y. or Chi..ton.117.50 - —
less ton lots, same basis. ton.122.50 - —
bbls., c.l., frt. alld..ton.119.00 -123.50
ton lots, ex whse. N. Y. or Chi..ton.137.50 - —
less ton lots, same basis. ton.142.50 - —
cryst., powd., paper bgs., c.l., frt. alld..ton.104.00 -108.50
ton lots, ex whse. N. Y. or Chi..ton.122.50 - —
less ton lots, same basis..ton.127.50 - —
bbls., c.l., frt. alld.ton.124.00 - —
ton lots, ex whse. N. Y. or Chi..ton.142.50 - —
less car lots, same basis..ton.147.50 - —

USP $25 per ton higher.

Butyric, 99%, dms., c.l., works. lb. .20 - —
l.c.l., same basis.....lb. .30 - —
Broener's, bbls.....lb. 1.22 - —

Acid, cacodylic, bots.....lb.13.50 -14.50
Camphoric, synthetic, cns....lb. 6.50 - 8.50
Caprylic, 99%, dms.....lb. No stocks
Capric, tech., ret. dms.....lb. No stocks
Castor oil, split, ret. dms...lb. No stocks
Chlorosulphonic, dms., c.l., works..lb. .03 - —
l.c.l., works.....lb. .03½- .04½
tanks, works.....lb. .02½- —
Chromic, 99¼-99½%, dms., c.l., lb. .20 - —
l.c.l. .....lb. .20½- .21
Cinnamic, refd., bots.....lb. 3.00 - 3.50
Citric, anhyd., gran., dms., c.l..lb. .22½- —
l.c.l., 10,000 lbs. 1 ship't. lb. .23 - —
smaller lots, bbls.....lb. .23½- —
dms......lb. .25½- .26½
kgs......lb. .24 - —
USP, cryst., gran., bbls., c.l., lb. .20 - —
l.c.l., 10,000 lbs., 1 ship't. lb. .20½- —
smaller lots, bbls......lb. .21 - —
dms......lb. .23 - .24
kgs......lb. .21½- —
powdered citric acid, ¼c. higher.
Cleve's, bbls.....lb. .65 - 1.00
Coconut oil, dist., dms.....lb. No prices
Corn oil, s.d., dms., c.l., wks. lb. No prices
Cottonseed oil, s.d., dms., c.l. lb. No prices
tanks, divd......lb. No prices
Creasylic dom. coaltar, high-boil 50% (210°-215°), low boil 50% (204°-206°), and special blends, dms., c.l., works, frt. equald..gal. 1.01 - —
l.c.l., same basis....gal. 1.04 - —
tanks .....gal. .90 - .95
Petroleum, heavy grade (247°-298°), dms., 20, Cal. ref..gal. .490 - —
Sewaren, N. J., ref. gal. .616 - —
1-19, Cal., ref....gal. .510 - —
Sewaren, N. J., ref. gal. .636 - —
tanks, divd.....gal. .586 - —
light grade (200°-246°), tanks, Cal., ref..gal. .690 - —
medium grade (220°-246°), dms., 20 Cal., ref..gal. .50 - —
Sewaren, N J., ref. gal. .636 - —
1-19, Cal. ref....gal. .570 - —
Sewaren, N. J., ref. gal. .696 - —
tanks., divd. ....gal. .646 - —
Crotonic, bbls., Canadian, wks. lb. .25 - —
Dichlorophenoxyacetic, fib. dms., c.l., works..lb. .80 - —
l.c.l., works.....lb. .85 - .95
Diethylbarbituric (see Barbital).
F (see Acid, monosulphonic).
Formic, 85%, cbys., c.l., wks.lb. .12 - —
l.c.l., works.....lb. .12½- .14½
90%, cbys., c.l., works....lb. .12½- —
l.c.l., works.....lb. .13 - .14½
Fumaric, tech., bbls., dms..lb. .27 - .31
Gallic, NF V, 1,000-lb. lots, bbls..lb. 1.40 - —
smaller lots.....lb. 1.43 - 1.45
technical, bbls., 1,000-lb. lots. lb. 1.23 - —
smaller lots.....lb. 1.26 - 1.28
Gamma, bbls.....lb. .97 - —
Gluconic, tech., 50%, bots...lb. .23 - .31
dms......lb. .14 - —
kgs......lb. .16 - —
Glycolic (see Acid, hydroxyacetic).
H, bbls., works.....lb. 50 - —
Hydriodic, 45-47%, cbys.....lb. 2.52 - 2.54
57%, cbys......lb. 2.83 - 2.85
Hydrobromic, medicinal, 48%, cbys., divd. E..lb. .48 - —
tech., 48%, cbys., same basis, lb. .45 - —
34%, cbys., same basis...lb. .35 - .37
Hydrochloric (see Acid, Muriatic).
Hydrocyanic, cyls., works...lb. .80 - 1.00
NF, dilute, 2%, 5-lb. bots..lb. .80 - .40
Hydrofluoric, anhyd., cyls., wks. lb. .19 - .19½
dmjn......lb. .21 - .23
tanks, works.....lb. 16 - —
30%, rubber dms., works..lb. .08 - .09
48%, rubber dms., works..lb. .12 - —
52%, rubber dms., works..lb. .12½- —
60%, rubber dms., works..lb. .13½- —
Hydrofluosilicic, 30-35%, bbls.lb. .08 - .09
Hydroxyacetic, 70% tech., bbls., non-return, Phila...lb. .084 - —
tanks, Belle, W. Va., acid basis...lb. .085 - —
Hypophosphorous, USP, djns.lb. .75 - .77
Lactic, edible, 50%, bbls., 20 or more..lb. .13363- —
smaller lots.....lb. .13513- .1451
80%, bbls., 5 or less.....lb. .24¼- .24¾
plastic grade, 50%, bbls., 20 or more..lb. .14¼- —
10 or less.....lb. .14¾- .15¼
80%, bbls., 5 or less.....lb. .26 - .26½
tech., dark, 22%, bbls., c.l., works..100 lbs. 4.00 - 4.55
l.c.l., works....100 lbs. 4.60 - 4.75
cbys., works.....100 lbs. 5.10 - —
44%, bbls., c.l., works..... 100 lbs. 7.75 - 8.25
l.c.l., bbls., works.... 100 lbs. 8.25 - 8.50
cbys., works.....100 lbs. 8.90 - 9.15
light, 22%, bbls., c.l., works. 100 lbs. 3.90 - —
l.c.l., works....100 lbs. 4.15 - —
cbys., works.....100 lbs. 5.15 - —
44%, bbls., c.l., works..... 100 lbs. 7.50 - —
l.c.l., works....100 lbs. 7.55 - —
cbys., works.....100 lbs. 8.55 - —
USP XII, 80%, cbys.....lb. .54 - .57
USP VIII, 70%, cbys.....lb. .52 - .55

Acid, Laurent's, bbls.....lb. .63 - —
Lauric, dist., 95%, dms.....lb. No prices
60%, dms......lb. No prices
Linseed oil, light, dms.....lb. No prices
Maleic, powd., dms.....lb. .80 - —
Anhydride (see M).
Malic, powd., kgs.....lb. .47 - —
Mandelic, USP, dms., 1,000-lb. lots..lb. 2.05 - —
smaller lots.....lb. 2.10 - 2.30
Mixed, tanks, nitric unit....lb. .05 - .06
sulphuric unit.....lb. .0085- .009
Molybdic, kgs., works.....lb. .95 - 1.10
Monochloracetic, tech., flakes, 96-97%, dms..lb. .16½- —
purified, flake, 99%, dms...lb. .20 - —
Monosulphonic, bbls.....lb. 1.50 - —
Muriatic, 18°, cbys., c.l., E. works..100 lbs. 1.50 - 1.70
l.c.l., E. works....100 lbs. 1.90 - 2.90
tanks, works.....ton.18.00 -18.20
20°, cbys., c.l., E. works.... 100 lbs. 1.85 - 2.00
tanks, E. works.....ton.20.00 -21.00
22°, cbys., c.l., E. works.... 100 lbs. 2.35 - 2.50
tanks, E. works.....ton.22.00 -26.00
CP, USP, consumers, cbys extra..lb. .08 - —
6-lb. bots., extra.....lb. .10 - —
dealers, cbys., extra....lb. .06½- —
6-lb. bots., extra.....lb. .08½- —
Myristic, dist., dms..... No stocks
Naphthenic, 220-230 acidity, dms., extra, works..lb. .12 - —
tanks, works.....lb. .09 - —
230-240 acidity, dms., extra, works..lb. .17 - —
tanks, works.....lb. .14 - —
Neville and Winthers, dms...lb. .72 - —
Nicotinic, USP, dms., works... kilo. 7.00 - 7.30
Nicotinic amide (see Nicotinamide).
Nitric, 36°, cbys., c.l., E. works. 100 lbs. 5.00 - —
l.c.l., 25, E. works.100 lbs. 5.30 - 6.30
38°, cbys., c.l., E. works.... 100 lbs. 5.50 - —
l.c.l., works.....100 lbs. 6.00 - 6.25
40°, cbys., c.l., E. works.... 100 lbs. 6.00 - 6.50
l.c.l., works.....100 lbs. 6.50 - 7.10
42°, cbys., c.l., E. works.... 100 lbs. 6.50 - 7.00
l.c.l., works.....100 lbs. 7.00 - 7.25
CP, USP, consumers, cbys, extra..lb. .13 - .—
7-lb. bots., cs., extra..lb. .15 - —
dealers, cbys. extra.....lb. .11½- —
7-lb. bots., cs., extra..lb. .13½- —
Oleic (see Oil, Red).
Oleum (see Acid, sulphuric, fuming).
Oxalic, bbls., c.l., works....lb. .13 - —
10,000 lbs.....lb. .13¼- —
smaller lots.....lb. .14 - —
Palm oil, white, dist., dms..lb. No stocks
Para-aminobenzoic, cns.....lb. 1.55 - —
Paranitrobenzoic, cns.....lb. .80 - —
Paratoluidinmetasulphonic, bbls., works..lb. .80 - —
Peanut oil, s.d., tanks, works. lb. No prices
Phenylacetic, bots......lb. 1.60 - 2.00
Phosphoric, food grade, 50%, bbls., c.l., works, frt. equald..100 lbs. 4.00 - 4.25
cbys., c.l., works, frt. equald..100 lbs. 4.35 - 4.60
l.c.l., works, frt. alld.. 100 lbs. 5.25 - 7.35
75%, bbls., c.l., works, frt. equald..100 lbs. 5.25 - —
cbys., c.l., works, frt. equald..100 lbs. 5.60 - —
l.c.l., frt. alld....100 lbs. 7.75 - 8.75
tanks, works, frt. equald., 100 lbs. 4.65 - —
USP, 100-lb. cbys., c.l.....lb. .10¼- —
10 cbys. to c.l.....lb. .11¼- —
2 to 9 cbys......lb. .12 - —
single cbys......lb. .13 - —
70-lb. cbys......lbs. .10¼- —
25 cbys. to c.l.....lb. .11¼- —
5 to 24 cbys......lb. .12 - —
1 to 4 cbys.....lb. .13 - —
dilut., 10%, cbys., djns..lb. .07 - .07½
Picramic, bgs......lb. .65 - .70
Picric, bbls......lb. .80 - .81
Propionic, synth., pure, dms., works..lb. .19½- —
tanks, works.....lb. .18½- —
natural, dms., works.....lb. .15 - —
tanks, works.....lb. .14 - —
Pyrogallic, tech., bbls.....lb. No prices
N.F., cryst., dms.....lb. 2.50 - 2.55
resub., dms.....lb. 3.00 - 3.02
Pyroligneous, dms., ex whse. l.c.l..gal. .41 - —
Ricinoleic, com'l split (see Acid, castor oil, split).
Salicylic, tech., bbls., c.l....lb. .26 - —
100 lbs. to c.l.....lb. .33 - —
smaller lots.....lb. .34 - .42
USP, bbls., c.l.....lb. .28 - —
100 lbs. to c.l. .....lb. .35 - —
smaller lots .....lb. .36 - .44
Sebasic, tech., dms., c.l., works, lb. No stocks
Soybean oil, s.d., dms., works. lb. No prices
tanks, works.....lb. No prices
Stearic, double pressed, bgs.lb. .33½- .34½
single pressed, bgs.....lb. .32 - .34
triple pressed, bgs.....lb. .30¼- .37¼
Succinic, bbls......lb. .75 - —
Sulphanilic, CP, bots., works.lb. 1.60 - 1.65
tech., dms., works.....lb. .17 - —
Sulphuric, 60°, cbys., c.l., E. works..100 lbs. 1.35 - 1.40
l.c.l. .....100 lbs. 1.70 - 2.60
tanks, E. works.....ton.13.00 -13.50
66°, cbys., c.l., E. works.. 100 lbs. 1.55 - 1.70
tanks, E. works.....ton.16.50 -17.50
98°, tanks, works.....ton.17.50 -18.50
CP, USP, consumers cbys., extra..lb. .08 - —
9-lb. bots., cs., extra..lb. .10 - —
dealers, cbys., extra....lb. .06½- —
9-lb. bots., cs., extra..lb. .08½- —
fuming, 20%, tanks, E. works. ton.19.50 -20.50

Acid, tannic, tech., bbls., dms.lb. .93 - .94
USP, fluffy, bbls., 1,000 lbs., lb. 1.45 - —
smaller lots.....lb. 1.47 - 1.50
powder, bbls., 1,000 lbs.lb. 1.25 - —
smaller lots.....lb. 1.17 - —
Tartaric, USP, cryst., gran., powd., bbls., 10,000 lbs., 1 ship't..lb. .54½- —
smaller lots, bbls.....lb. .55 - —
dms......lb. .57 - .58
kgs......lb. .55½- —
Thioglycolic, bbls., cbys., basis 100%..lb. 2.60 - 3.00
Tobias, bbls......lb. .60 - —
Trichloroacetic, bots......lb. 2.00 - 2.50
Tungstic, CP, 100-lb. pkgs...lb. 2.94 - 3.10
pure, 100-lb. kgs.....lb. 2.86 - —
Aconite leaves, bls.....lb. .75 - .80
Root, bls.....lb. 1.20 - 1.25
Aconitine, amorph., bots.....oz.28.00 -28.00
15-gr. vials.....vial. 1.00 - —
cryst., bots.....oz.42.00 -48.00
15-gr. vials.....vial. 1.60 - —
Acrylonitrile, dms., c.l., works. lb. .26 - —
l.c.l., works.....lb. .25½- —
tanks, works.....lb. .25 - —
Adeps lanae USP, anhyd., cosmetic, dms., works.lb. .28 - .30
pharmaceutical, dms., works. lb. .26 - .28
Adonis vernalis herb, bls.....lb. .65 - .70
Agar.....lb. 4.00 - 4.25
Agaric, white, bls.....lb. 2.75 - 3.00
Agrimony herb, bls.....lb. .40 - .45
Albumen, blood, dark (see Blood, soluble).
light, dms., l.c.l.....lb. .70 - —
egg, edible, cryst., gran., bbls. lb. 1.70 - 1.78
powd., bbls.....lb. 1.75 - 1.83
tech., cryst., bbls.....lb. 1.10 - 1.30
Alcohol, allyl, dms., c.l., divd.lb. .21 - —
l.c.l., divd.....lb. .21½- —
tankcars, divd.....lb. .20 - —
Amyl ex pentane, dms., c.l., frt. alld., E. of Miss. R. lb. .161 - —
l.c.l., frt. alld.....lb. .171 - —
tanks, frt. alld.....lb. .151 - —
(see also Fusel oil, ref.).
Benzyl, cns.....lb. .32 - —
dms......lb. .68 - .72
Butyl, normal, ferment, Ill., Ind. prod., dms., c.l., frt. alld..lb. .26½- —
l.c.l., frt. alld. E....lb. .27 - —
tanks, frt. alld. E....lb. .25 - —
tankwagon, frt. alld..lb. .25½- —
other production, dms., c.l., frt. alld. E..lb. .29 - —
l.c.l., frt. alld. E....lb. .30½- —
tanks, frt. alld. E....lb. .31 - —
synthetic, dms., c.l., frt. alld. E..lb. .18½- —
l.c.l., frt. alld. E....lb. .16 - —
tanks, frt. alld. E....lb. .14½- —
Normal butyl alcohol prices in West, ½c. per lb. higher.
secondary, dms., c.l., divd..lb. .1160- —
l.c.l., divd.....lb. .1210- —
tanks, divd.....lb. .1100- —
tertiary, denat., dms., c.l..lb. .13½- —
l.c.l., dms......lb. .15 - —
tanks.....lb. .11 - —
Capryl, dms., c.l., works....lb. .17¼- —
l.c.l., works.....lb. .18½- —
tanks, works.....lb. .16 - —
Cetyl, dom., CP., fiber ctns., 1,000 lbs..lb. 2.25 - —
smaller lots.....lb. 2.30 - 2.35
Cinnamic, bots......lb. 3.00 - 3.50
Denatured, CD14, dms., c.l., works, E..gal. .89½- —
l.c.l., works, E.....gal. .92½- .96¼
tanks, E., divd.....gal. .82½- —
Tankcar sales require written authorization by Alcohol Tax Unit.
SD1, 190 pf., dms., c.l., E. works..gal. .89½- —
l.c.l., works, E.....gal. .92½- .96¼
tanks, E. works.....gal. .82½- —
Anhydrous 1c. per gal. higher
SD2B, dms., c.l., wks., E.gal. .89 - —
l.c.l., works, E.....gal. .92 - .96
tanks E. works.....gal. .82 - —
SD2G, dms., c.l., works.gal. .92½- —
l.c.l., works.....gal. .95½- 1.00
tanks, works.....gal. .85½- —
SD23H, dms., c.l......gal. .895- .998
l.c.l., works, E.....gal. .925 - .973
tanks, E works.....gal. .835 - .888
SD29, denatured, with acetaldehyde, dms., c.l., E. works. gal. .90 - —
l.c.l., works, E.....gal. .94 - .99
tanks, E. works.....gal. .83 - —

When any of the several SD29 denaturants is supplied by the purchaser, the prices are the same as those of SD31 plus 1½c. per gal. denaturing charge.

Special solvent, dms., c.l., works, E...gal. .90 - —
l.c.l., works, E.....gal. .945 - .1038
tanks, E. works.....gal. .845 - .888

Tankcar sales require written authorization by Alcohol Tax Unit.

Diacetone, acetone-free, dms., c.l., divd..lb. .12 - .15
l.c.l., divd.....lb. .12½- .15½
tanks, divd.....lb. .10½- .13½
tech., dms., c.l., divd.....lb. .11½- .14
l.c.l., divd.....lb. .12 - .14½
tanks, divd.....lb. .10 - .12½
Ethyl, 190 pf., dms., c.l., works. gal.18.01 - —
l.c.l., works.....gal.18.05 -18.10
tanks .....gal.17.94 - —
absolute, dms., c.l., works.gal.18.08 - —
l.c.l., works .....gal.18.12 -18.17
tanks .....gal.18.01 - —
Ethylhexyl, dms., c.l., works.lb. .25 - —
l.c.l., works .....lb. .26 - —
tanks, works .....lb. .24 - —
Furfuryl, tech., cns., works.lb. .35 - —
dms., c.l., works.....lb. .22½- —
l.c.l., works.....lb. .25 - —
tanks, works .....lb. .19 - —
Isoamyl (see Carbinol, isobutyl).
Isobutyl, refd., dms., works.lb. .0660- —
tanks, works .....lb. .0760- —
Isopropyl, refd., 91%, dms., incl., c.l., divd..gal. .41 - —
l.c.l., divd.....gal. .44 - —
tanks, divd.....gal. .37 - —
99%, dms., incl., c.l., divd.gal. .44 - —
l.c.l., divd.....gal. .47 - —
tanks, divd.....gal. .41 - —
Methyl (see Methanol).
Methylamyl (see Carbinol methylisobutyl).
Octyl, perfumer's grade, bots.lb. 4.00 - 4.25
Phenylethyl, dms......lb. 2.30 - 2.75
Polyvinyl, type A, fiber-pack, Niagara Falls..lb. .65 - .70
type B, fiber-pack, same basis. lb. .60 - .66
Propyl, normal, dms., works.gal. .67 - —
smaller containers, works, gal. .82 - —
tanks, works.....gal. .64 - —
Tetrahydrofurfuryl, cns., Cedar Rapids, Ia..lb. .55 - —
dms., c.l., Waverly, N. Y...lb. .40 - —
l.c.l., same basis.....lb. .53 - —

Aldol, dms., works.....lb. .15 - —
denaturing grade, dms....gal. 1.30 - —
Aletris root, bgs.....lb. 2.00 - 2.25
Algarobilla, c.l., ex dock....
long ton. No prices.

Algarobilla price based on ocean frt. at $12 and $1 insurance per long ton.

Algin, bbls., fib. dms.....lb. .76 - 1.00
Alizarin (see Red, alizarin).
Alkanet, root, bgs.....lb. .85 - .90
Allspice, Mexican, futures, bgs.,
lb. .19 - .19½
Allyl bromide, cbys., 5,000 lbs., works..lb. .80 - —
smaller lots, works.....lb. 1.05 - 1.10
Chloride, dms., c.l., dlvd....lb. .13½- —
l.c.l., dlvd.....lb. .14 - —
tanks, dlvd.....lb. .12½- —
Aloe, Cape, cs.....lb. .42 - .43
Curacao, kgs.....lb. .42 - .43
Socotrine, kgs.....lb. .47 - .48
Aloin, bbls., dms., kgs.....lb. 4.50 - 4.80
Alphanaphthol, bbls.....lb. .58 - —
Alphanaphthylamine, bbls.....lb. .35 - —
Alphanaphthylthiourea, fib. dms., works, frt. alld..lb. 4.00 - 4.40
Alphapicoline, ret. dms., works, frt. equald.. .27½- —
Alphapinene, wks., South, tanks, gal. 1.15 - —
Alphaterpineol, dms., c.l., works.
lb. .1340- —
l.c.l., works.....lb. .1390- —
tanks, works.....lb. .1200- —
Alphatocopherol, amp.....gram. .90 - 1.00
Althea root, NF, peeled, bls...lb. .40 - .45
Alum, ammonia, burnt, USP, bbls., kgs..lb. .16 - .18
gran., bbls., works....100 lbs. 4.00 - —
lump, bbls., works....100 lbs. 4.25 - —
powd., bbls., works....100 lbs. 4.40 - —
Potash, gran., bbls., works....
100 lbs. 4.25 - —
lump, bbls., works....100 lbs. 4.50 - —
powd., bbls., works....100 lbs. 4.65 - —
Potash-chrome, bbls.....lb. .12½- .15
Soda, bbls., c.l., works..100 lbs. 3.25 - —
l.c.l., dlvd.....100 lbs. 4.25 - 5.00
Alumina, classified, grade, grd., kgs., works..lb. .35 - .37
top grade, ground, kgs., works.
lb. .60 - .67
unclassified, ground, kgs., works..lb. .10½- .40
Acetate, basic solution, 24%, bbls., l.c.l., works..lb. .11 - —
20%, bbls., l.c.l., works.lb. .10 - —
Chloride, anhyd., com'l, dms., c.l., works..lb. .10 - .11
l.c.l., works.....lb. .10¼- —
cryst., com'l, dms., c.l., works.
lb. .06 - —
l.c.l., works.....lb. .06½- .06¾
solution, 32 deg., cryst., c.l., works..lb. .02¾- —
l.c.l., works.....lb. .06¼- —
Fluoride, tech., bbls.....lb. .25 - —
Formate, solution, 12-20° Be, bbls., c.l., works, f.o.b. equaled Phila. and Chl.lb. .09¼- —
l.c.l., works, same basis.
lb. .10 - —
Hydrate, heavy, bgs., c.l., works..lb. .024 - .031
l.c.l., works.....lb. .035 - .040
light, bgs., dlvd.....lb. .14½- —
bbls., dlvd.....lb. .15 - —
Hydroxide, gel tech., min. 15% lbs. or more, f.o.b. ship't point..lb. .03 - .03½
ton lots, same basis..lb. .03¼- .03½
smaller lots, same basis.
lb. .03¾- .04
9-9½% Al_2O_3, fib. dms., works.
lb. .17¾- —
contract, works.....lb. .16¾- —
14-15% Al_2O_3, fib. dms., Al (OH_3), dms., 10,000 wks..lb. .20¾- —
contract works.....lb. .19¾- —
dried, USP XII, fib. dms., works..lb. .78 - —
contract, works.....lb. .75 - —
powder, tech. (see Alumina hydrate).
USP IX, bbls., dms.....lb. .15 - .17
Laurate, precip., bbls.....lb. .25 - .26
Naphthenate, 1.7% Al, 50-gal. dms., works..lb. .19 - —
Oleate, dms., contract.....lb. .24½- —
Resinate, precip., dms.....lb. .19½- —
Stearate, dibasic, ctns., c.l..lb. .45 - —
l.c.l.....lb. .46 - —
monobasic, ctns., c.l.....lb. .45 - —
l.c.l.....lb. .46 - —
tribasic, ctns., c.l.....lb. .50 - —
less ton quantities.....lb. .52 - —
Sulphate, com'l, bgs., c.l., wks., frt. equald..100 lbs. 1.15 - 1.30
l.c.l., works, frt. equald..
100 lbs. 1.40 - 1.50
bbls., c.l., works, frt. equald.
100 lbs. 1.55 - 1.60
l.c.l., works, frt. equald..
100 lbs. 1.95 - 2.00
iron-free, bgs., c.l., works..
100 lbs. 1.95 - 2.25
l.c.l., works.....100 lbs. 2.35 - 2.50
Trihydrate, heavy (see Alumina hydrate).
Aluminum, 98-99%, c.l.....lb. .15 - —
l.c.l.....lb. .15 - .16
paste, lining, extra fine, 200-lb. dms..lb. .56 - .60
ink, 150-lb. dms. .....lb. .71 - —
standard, 200-lb. dms.....lb. .58 - —
lining, extra fine, 150-lb. dms.
lb. .93 - —
litho, 150-lb. dms.....lb. .60 - —
standard, 200-lb. dms..lb. .52 - —
rubber comp., 200-lb. dms..lb. .42 - —
unpolished, stand.. dms...lb. .38 - —
varnish, stand., 300-lb. dms..
lb. .42 - —

Aluminum powder and paste prices are f.o.b. shipping point. Add 1c. per lb. for 100-lb. dm., 1½c. per lb. for 50-lb. dm., 3c. per lb. for 10-lb. can, and 5c. to 12c. per lb. for smaller containers. Deduct 1c. per lb. for single shipment of 400 to 1,490 lbs., 2c. for 1,500 to 4,960 lbs., 3c. for 5,000 to 20,000 lbs., and 4c. for 30,000 lbs. or more. Where destination is within the continental U. S., a deduction equivalent to the lowest available common carrier, transportation rate will be made from sellers' invoice on orders of 200 lbs. or over.

Ambergris, gray, tins.....oz. 8.75 -12.00
Aminoethylpropanol, cns., dms., works..lb. .50 - .60
Aminopyrine, bots., dms.....lb. 4.50 - 4.75
Ammonia acetate, reagent, crystals, bbls..lb. .34 - —
purified, bbls.....lb. .32 - —
Anhydrous, fertilizer, tankcars, works, frt. equald..ton.69.00 - —
pure, cyls. .....lb. .14½- —
refrigeration, tanks, works..
ton.61.50 - —
Ammonia, aqua, 26°, cbys.....lb. .06¼- —
dms., c.l. .....lb. .02¾- —
l.c.l. .....lb. .03¼- —
tanks, works (NH_3 content)).
ton.65.00 - —
Benzoate, USP, dms., kgs., 4,000 lbs., up, frt. alld..lb. .43 - —
smaller lots, frt. alld..lb. .44 - .47
Biborate, gran., powd., bbls., c.l., works..ton.32.00 - —
ton lots, works.....ton.338.50 - —
less ton lots, works....ton.343.50 - —
Bicarbonate, dms., c.l.....lb. .0564- —
Bichromate, bbls. .....lb. .23 - .25
Bifluoride, bbls. .....lb. .15 - .15½
Bromide, gran., NF, bbls....lb. .28 - —
dms. .....lb. .29 - .32
Powdered ammonia bromide 10c. per lb. higher.
Carbonate, USP, lump, dms.lb. .06¼- .09½
cans .....lb. .14¼- .17½
powdered, 1c. per lb. higher.
Chloride, tech. (see Ammoniac, sal).
USP, gran., bbls., dms., kgs., lb. .13 - .15
Citrate, dibasic, bbls.....lb. .75 - —
dms. .....lb. .80 - .85
Fluoride, bbls. .....lb. No stocks.
Hydroxide (see Ammonia, aqua).
Hypophosphite, NF, dms....lb. 1.25 - 1.27
jars .....lb. 1.30 - 1.35
Iodide, NF, jars.....lb. 3.90 - 3.96
Linoleate, 80%, anhyd., bbls.lb. .13 - —
Molybdate, c.p., cryst., kgs.lb. 1.26 - 1.30
fine cryst., bbls., kgs.....lb. .84 - .87
purified, dms. .....lb. 1.10 - 1.12
Nitrate, fertilizer grade, Canadian, 32.5% nitrogen, bgs., same N unit price, delivered, as Ammonia sulphate, bgs., c.l., shipping point....ton.57.00 - —
bulk, same basis.....ton.61.00 - —
tech., bgs., works....100 lbs. 4.35 - 4.50
bbls., works.....100 lbs. 4.55 - —
Nitrate - limestone, 20.5% N. bgs., Hopewell, Va..ton.33.00 - —
Oleate, dms. .....lb. .14 - —
Oxalate, fine gran., bbls....lb. .23 - —
dms. .....lb. .25 - .29
Pentaborate, gran., bbls., c.l., works..ton.230.00 - —
ton lots, works.....ton.248.50 - —
less ton lots.....ton.253.50 - —
Ammonia pentaborate powder, $10 per ton higher.
Perchlorate, kgs.....lb. No stocks
Persulphate, kgs.....lb. .25½- .28½
Phosphate, dibasic, NF V, bbls., kgs..lb. .37 - .39
tech., bgs., c.l., works..lb. .07 - —
l.c.l., works.....lb. .07¾- —
monobasic, pure, bbls....lb. .39 - .41
tech., bgs., c.l., works...lb. .07 - —
l.c.l., works.....lb. .07¾- .09¾
Salicylate, NF, dms., kgs...lb. 1.15 - 1.18
Silicofluoride, bbls.....lb. .15 - .18
Stearate, anhydrous, dms...lb. .34 - —
paste, dms.....lb. .06¼- —
Sulphamate, bbls., dms., works. lb. .18 - .20
Sulphate, bulk, producing ovens..ton.30.00 - —
Sulphide, liquid, 40-45% basis 100%, dms., c.l., works.lb. .09 - —
l.c.l., dlvd.....lb. .15 - —
tanks, dlvd.....lb. .07½- —
red, 48%, cbys., works.....lb. .08 - —
dms., works.....lb. .06 - —
yellow, 33%, cbys., works..lb. .08 - —
dms., works.....lb. .06 - —
Sulphocyanide, pure, bbls...lb. .60 - .66
tech., bbls.....lb. .17 - .19
Thiocyanate (see Ammonia sulphocpanide).
Thioglycollate, highly purified, 100% basis, bbls..lb. 7.10 - 8.25
Ammoniac gum (see Gum, ammoniac).
Sal, gray, bbls., c.l., works....
100 lbs. 6.95 - 7.10
l.c.l., works.....100 lbs. 7.35 - 7.50
white, gran., bbls., c.l., works.
100 lbs. 4.75 - —
l.c.l., same basis.100 lbs. 5.00 - —
Amyl acetate, ex fusel oil, tech., dms., c.l., dlvd..lb. .25 - —
l.c.l., dlvd. .....lb. .25½- —
tanks, dlvd.....lb. .24 - —
ex-pentane, dms., c.l., frt. alld. E. of Miss. R..lb. .22 - —
l.c.l., same basis.....lb. .23 - —
tanks, same basis.....lb. .21 - —
Alcohol (see Alcohol, amyl).
Butyrate, dms.....lb. .90 - 1.00
Chloride, mixed, tech., dms., c.l., works..lb. .07 - —
l.c.l., works.....lb. .08 - —
tanks, works.....lb. .06 - —
Ether, dms., c.l., works.....lb. .095 - —
l.c.l., works.....lb. .102 - —
tanks, works.....lb. .085 - —
Nitrite, USP, bots.....lb. 1.72 - 1.93
Mercaptan, dms., works.....lb. 1.10 - —
Salicylate, prime, bots.....lb. .87 - —
dms. .....lb. .77 - .81
Stearate, dms., works.....lb. .42 - .45½
Anethol, com'l, dms., works..lb. .657 - .665
NF, dms.....lb. .80 - 1.20
Angelica dom., atropurpurea root, bls..lb. 1.30 - 1.40
imported, natural, bls.....lb. 2.50 - 2.60
Angostura bark, bls.....lb. .65 - .66
Anilin oil, dms., c.l., works, frt. alld..lb. .12 - —
l.c.l., works, frt. alld..lb. .13 - —
tanks, works, frt. alld....lb. .11 - —
Salt, dms., works.....lb. .22 - .24
Anise, Argentine, bgs.....lb. .36 - .37
Chinese, Star.....lb. .21½- —
Cyprus, bgs.....lb. .35 - .36
Mexican, bgs.....lb. .39 - .40
Syrian, bgs.....lb. .36 - .37
Turkish, bgs.....lb. No stocks
Anisic aldehyde, dms.....lb. 2.60 - 3.00
cns., bots.....lb. 2.90 - 3.25
Annatto, paste, bxs.....lb. .34 - .39
seed, bgs.....lb. .14 - .14½
Anthracene, 80-85%, bbls., works, lb. .69 - —
90%, bbls., works.....lb. .81 - —
Anthraquinone, 99.5%, bbls....lb. .70 - —
Antimony butter (see Antimony chloride).
Chloride, solut., cbys.....lb. .17 - —
Metal, bulk, c.l., mines....lb. .28½- .28¾
Needle, Bolivian, brown, 67% cs..lb. No prices.
Chinese, black, 70%, cs....lb. No prices.
Oxide, ceramic grade, bgs., c.l., works..lb. .23 - —
l.c.l., works.....lb. .24¾- .26½
paint grade, bgs., c.l., works. lb. .23 - .24
l.c.l., works.....lb. .23¾- .25½
Salt, 65%, bgs., c.l., dlvd. E. of Miss. River..lb. No stocks.
Sulphide, 65-70%, bbls. c.l., works..lb. .17¾- —
l.c.l., works .....lb. .20 - .21
Antipyrine, bbls., kgs., ton....lb. 2.00 - —
smaller lots .....lb. 2.10 - 2.20
Apomorphine, bots. .....oz.23.20 -23.70
Archil extract, bbls.....lb. No stocks.
Areca nuts, powd., bbls.....lb. .25 - .26
Arecoline hydrobromide, bots.oz. 6.10 - 7.10
Argols, min. 70%, bgs., shipment port, 100 kilos (100% purity).55.00 -56.00
Arnica flowers, bbls.....lb. 1.00 Nom.
Arrowroot, powd., bgs., bbls..lb. .12 - .16
Arsenic, chloride (arsenous), bots. lb. 1.55 - —
Metal, lump, c.l. .....lb. No prices.
Sulphide, yellow, bbls.....lb. No stocks.
Trioxide (see Acid, arsenous, White, powd., bbls., c.l.....lb. .06 - —
l.c.l. .....lb. .07 - .08
Asafetida, cs. .....lb. .65 - .70
powd., bbls., dms.....lb. .72 - .77
Asbestine (see Talc, N. Y., fibrous).
Asbestos, fiber, 5D and 5K, bgs., c.l. (20 tons), Cana. mines. ton.49.50 - —
5R, bgs., c.l. (20 tons), same basis..ton.44.00 - —
6D, bgs., c.l. (20 tons) same basis..ton.32.00 - —
7D, bgs., c.l., same basis.ton.28.50 - —
7F, bgs., c.l., same basis.ton.26.50 - —
7K, bgs., c.l., same basis.ton.19.00 - —
7M, bgs., c.l., same basis.ton.16.50 - —
7R, bgs., c.l., same basis.ton.15.50 - —
Asphaltum, Barbados, Dunellen, N. J...lb. .10¼- —
California, dms., c.l.....ton.36.40 - —
l.c.l. .....ton.41.40 - —
Cuba, A, bulk, c.l.....ton.60.00 - —
l.c.l. .....ton.90.00 - —
B, bulk, c.l. .....ton.38.50 - —
l.c.l. .....ton.55.00 - —
Egyptian .....ton. No stocks.
Gilsonite, brilliant black, selects, 340° F. fusing point, bgs., mines..ton.30.00 -32.00
270-295° fusing point, bgs., mines..ton.30.50 - —
seconds, 300-320° F. fusing point, not uniform, bgs., mines..ton.25.50 - —
jet, bgs., ton lots, gross weight, Colo. mines..ton.30.50 - —
Manjak, No. 10, crude, dms., works..lb. .05½- .12
process form, bgs., works..lb. .05¾- .12
jet, bgs., 2,000 lbs., gross weight, Colo mines..ton.30.50 - —
Mexican, refd., dms., f.o.b. Tampico, Mex.metric ton.27.50 - —
South American, refd., dms., c.l., N. J. Refy..ton.22.00 -32.00
l.c.l., same basis.....ton.24.00 -35.00
tanks, same basis.....ton.15.00 - —
Atropine, bots.....oz. 6.85 - —
Sulphate, bots.....oz. 7.35 - —

B

Balm of Gilead buds, bgs.....lb. 2.25 - 2.50
Barbasco root (see Cube root).
Barberry root bark, bgs.....lb. .75 - .80
Barbital, dms.....lb. 3.50 - 3.60
sodium, dms.....lb. 3.75 - 3.85
Barium carbonate, natural, 90% through 200 mesh, bgs., c.l., works..ton. — - —
precip., bgs., 10 tons and up, works..ton.67.50 -75.00
small lots, works....ton.74.50 -82.00
Chlorate, kgs., works.....lb. .27½- .31
Chloride, CP, cryst., bbls....lb. .25 - .27
pure, bbls., kgs.....lb. .10 - .12
tech., cryst., bgs., c.l., works. ton.80.00 - —
l.c.l., works.....ton.90.00 - —
Dioxide, dms., c.l., works....lb. .10 - —
l.c.l., works.....lb. .12 - .13
Fluoride, bbls.....lb. .16 Nom.
Hydrate, crystals, bbls.....lb. .06½- .07½
Hydroxide, bbls., works.....lb. .15 - .16
Iodide, bots.....lb. 5.12 - —
Monoxide (see Oxide).
Nitrate, bbls., c.l., works...lb. .09¼- .11½
l.c.l., works.....lb. .10 - .11½
Oxide, dms., c.l., works.....lb. .11½- .12
l.c.l., works.....lb. .14 - .15
grd. dms., l.c.l., works...lb. .15 - .17
Peroxide (see Dioxide).
Silicofluoride, bbls.....lb. .17 - .19
Stearate, ctns., 1 ton up....lb. .50 - —
smaller lots.....lb. .51 - —
Sulphate, tech. (see Barytes, and Blanc fixe).
X-ray, bbls.....lb. .10 - .10½
kgs. .....lb. .12½- —
Sulphide, dms., works.....ton.45.50 -64.00
Barytes, water-grd., paper bgs., c.l., St. Louis.....ton.31.10 - —
l.c.l., same basis.....ton.32.10 - —
ex whse., N. Y.....ton.41.95 - —
Southern, off-color, bgs., mines ton.19.00 - —
95.75%, bgs., mines.....ton.20.00 - —
Ore, approx. 94% $BaSo_4$, bulk, mines..ton. 8.50 -12.50
Bay leaves (see Laurel leaves).
Barberry bark, bgs.....lb. .12 - .13
Belladonna leaves, bls.....lb. 1.75 - 1.80
Root, bls.....lb. 1.50 Nom.
Bauxite, bulk, mines.....ton. 8.50 -10.00
Bentonite, 200 mesh, bgs., works. ton.11.00 - —
325 mesh, bgs., works....ton.16.00 - —
Benzaldehyde, NF, dms.....lb. .70 - 1.20
tech., cbys., dms.....lb. .45 - .55
Benzene (see Benzol).
Benzidin base, bbls.....lb. .77 - —
Benzocaine, cns.....lb. 3.50 - 3.85
Benzol (benzene), pure, nitration and 90%, dms., works, frt. alld. up to 2c..gal. .22 - —
tanks, E. of Omaha, same basis..gal. .17 - —
W. Coast, Minnequa, Colo., same basis..gal. .17 - —
Benzophenone, dms.....lb. 1.15 - 1.25
Benzoyl chloride, cbys.....lb. .25 - .28
Peroxide, pure, gran., fib. ctns., works..lb. .90 - 1.05
Benzyl acetate, f.f.c., cns.....lb. .75 - —
dms. .....lb. .60 - .65
Alcohol (see Alcohol, benzyl).
Chloride, tech., cbys., works, frt. equald..lb. .20 - —
refined, vbys.....lb. .21 - —
Cinnamate, cns.....lb. 4.00 - 6.25
Formate, cns.....lb. 2.10 - 3.50
Propionate, bots.....lb. 1.50 - 2.45
Salicylate, bots.....lb. 1.50 - 2.10
Benzylidinacetone, bots. .....lb. 2.00 - 2.70
Benzylisoeugenol, bots. .....lb. 9.50 - —
Berberine bisulphate, cns.....lb. No stocks.
Hydrochloride, bots. .....lb. No stocks.
Sulphate, cns. .....lb. No stocks.
Berberis root, bls.....lb. .30 - .35
Betanaphthol, resublimed, dms., works..lb. .55 - .60
tech., bbls., c.l., works...lb. .23 - .26
l.c.l., works.....lb. .26 - .28
Benzoate, fib. dms., works..lb. 1.75 - —
Salicylate, dms. .....lb. 5.00 - —
Betanaphthylamine, tech., works, lb. .59 - —
Betagammapicoline, dms., c.l., works..lb. .24½- —
l.c.l., works .....lb. .25 - —
Betapicoline, 90%, ret. dms., c.l., works..lb. 1.60 - —
l.c.l., works .....lb. 1.85 - —
95%, dms., works.....lb. 2.05 - —
98-99%, works .....lb. 2.20 - —
Beth root, bls.....lb. .55 - .60
Bismuth chloride, jars.....lb. 4.25 - —
Citrate, USP VIII, jars.....lb. 2.97 - —
Hydroxide, bots., dms.....lb. 3.80 - 3.91
Metal, ton lots.....lb. 1.80 - —
Nitrate, cryst., cns.....lb. 1.60 - —
Oxychloride, cns., bots., dms.lb. 3.60 - 3.69
Oxide, anhydrous, bots., dms.lb. 4.20 - 4.31
Subcarbonate, USP, dms.....lb. 2.40 - 2.45
Subgallate, NF, fib. dms.....lb. 2.35 - 2.38
Subiodide, fib. dms.....lb. 4.13 - —
Subnitrate, USP, powd., dms.lb. 2.00 - 2.06
Subsalicylate, USP, dms.....lb. 2.90 - —
Sulphocarbolate, fib. dms.....lb. 4.05 - —
Bismuth-ammonia citrate, USP, powd., dms..lb. 3.70 - —
Black, acetylene, bgs., c.l., works. lb. .14 - —
l.c.l., works .....lb. .16 - —
Bone 1A, bgs., bbls., c.l., frt. alld dest..lb. .19¼- —
1, bgs., bbls., c.l., same basis, lb. .17½- —
2, bgs., bbls., c.l., same basis, lb. .16 - —
3, bgs., bbls., c.l., same basis, lb. .15 - —
4, bgs., bbls., c.l., same basis, lb. .14 - —
5, bgs., bbls., c.l., same basis, lb. .11½- —
6, bgs., bbls., c.l., same basis, lb. .11½- —
457, bgs., bbls., c.l., same basis..lb. .11¾- —
7, bgs., bbls., c.l., same basis, lb. .14½- —
8, bgs., bbls., c.l., same basis, lb. .15½- —
490A, bgs., bbls., c.l., same basis..lb. .06½- —

Bone black l.c.l. prices are ½c. higher than c.l. Pacific coast, ex dock, or whse., prices are 1½c. higher.

Carbon, channel, compressed, beads, bulk, c.l., works. lb. .06 - —
bgs., c.l., works.....lb. .0633- —
l.c.l., works.....lb. .07 - —
dlvd. or whse. .....lb. .102 - —
uncompressed, regular, bgs., c.l., works..lb. .074 - —
bgs., ctns., l.c.l., dlvd. or whse..lb. .11¾- —
furnace, HMF, bgs., c.l., works..lb. .05 - —
ctns., l.c.l., whse.....lb. .09 - —
SRF, bgs., c.l., works...lb. .06½- —
ctns., l.c.l., whse.....lb. .075 - —
Thermatomic, bgs., c.l., works, La..lb. .04 - —
l.c.l., whse., Trenton, N. J., lb. .06½- —
Charcoal (see C).
Graphite (see G).
Iron oxide, magnetic, pure, bgs., l.c.l., works..lb. .09 - —
Lamp, 1, ctns., c.l., works..lb. .06½- —
l.c.l., works.....lb. .09 - —
2, ctns., c.l., works.....lb. .10 - —
l.c.l., works.....lb. .11 - —
2A, ctns., c.l., works.....lb. .12 - —
l.c.l., works.....lb. .13½- —
3, ctns., c.l., works.....lb. .14¾- —
l.c.l., works.....lb. .15¾- —
4, ctns., c.l., works.....lb. .16½- —
l.c.l., works.....lb. .17¾- —
5, ctns., c.l., works.....lb. .20 - —
l.c.l., works.....lb. .20 - —
6, ctns., c.l., works.....lb. .25¾- —
l.c.l., works.....lb. .27¾- —
7, ctns., c.l., works.....lb. .37¾- —
l.c.l., works.....lb. .38¾- —
Mineral, vine type, bgs., l.c.l., works..lb. .03 - —
Vine A, bgs.....lb. .03¾- .04
B, bgs.....lb. .05¾- .06
Black ash (see Barium sulphide).
Black dyes (see Dyes).
Black haw root bark, bls.....lb. .80 - .85
Tree bark, bls.....lb. .35 - .43
Black Indian hemp root, bls..lb. .55 - .60
Blanc fixe, dry, by-product, bgs., c.l., works..ton.67.50 - —
l.c.l. works.....ton.72.50 - —
direct process, bgs., l.c.l., N.Y. whse..ton.95.00 - —
barrels, N.Y. whse.ton.100.00 - —
bgs., c.l., works.....ton.77.50 - —
l.c.l., works.....ton.82.50 - —
bbls., c.l., works.....ton.82.50 - —
l.c.l., works.....ton.87.50 - —
soluble, bgs., l.c.l.....lb. .17 - —
pulp, 66%, bbls., c.l., works. ton.55.00 - —
l.c.l., same basis....ton.60.00 - —
Bleaching powder, dms., c.l., works..100 lbs. 2.75 - —
l.c.l., works.....100 lbs. 3.25 - 3.75
Blood, dried, 16-16½% ammo., bgs..unit-ton. 3.50 - —
high-grade, unground, 16-17% ammon., bulk, Chicago. unit-ton. 3.50 - —
soluble, bgs., l.c.l.....lb. .17 - —
Bloodroot, bls.....lb. .65 - .70
Blue, alkali, dry, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. River, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis. lb. 1.00 - —
toner bbls., same basis....lb. 1.10 - —
Celestial, bbls., same basis..lb. .10 - .12
Chinese, bbls., same basis..lb. .58 - —
Cobalt, genuine, bbls., same basis..lb. 4.00 - —
Imitation (see Blue, ultramarine).
Copper, phthalocyanin, full strength, bbls., same basis. lb. 3.50 - 3.75
80%, bbls., same basis..lb. 3.00 - —
green shade, bbls., same basis. lb. 4.50 - 4.90
Iron (see Blue, Chinese, Milori, Potash Prussian, and Soda).
Milori, bbls., same basis....lb. .36 - —
Molybdated, Victoria, bbls., same basis..lb. 3.15 - —
Peacock, fugitive, 100% color strength, same basis..lb. .93 - —
permanent toner, green shade, molybdic, bbls., same basis. lb. 3.50 - —
tungstic .....lb. 4.00 - —
Potash, CP, bbls., same basis. lb. .48 - —
Prussian, bbls., same basis..lb. .42 - —
soluble, bbls., same basis.lb. .42 - —
Soda, CP, bronze, bbls., same basis..lb. .39 - —
Ultramarine, cobalt type, dry or pulp, bbls., same basis. lb. .24 - .28
jobbing type, dry, bbls., same basis..lb. .13 - .14
regular types, dry or pulp, bbls., same basis..lb. .18 - .19
Victoria, toner, molybdic, bbls. lb. 3.15 - —
tungstic, bbls.....lb. 3.30 - 3.55
ink toner, bbls., same basis. lb. 1.83 - —
synthetic vehicle, bbls., same basis..lb. 1.98 - —

OPD—2-3-1947

Announcement

Commencing February 1st, 1947, all business will be transacted in the name of the corporation

WILLIAM D. NEUBERG CO., INC.

All outstanding obligations of the Company will be assumed by the corporation.

WILLIAM D. NEUBERG COMPANY

Chemicals

GRAYBAR BUILDING • 420 LEXINGTON AVE. • NEW YORK 17, N. Y.

TELEPHONE LEXINGTON 2-3324

CABLE—"WILNEUBERG"

Blue, violet toner, molybdic, bbls., same basis..lb. 1.24 - —
tungstic, kgs., same basis..lb. 2.10 - —

Blue dry colors, divd. prices ½c. higher Ala., Fla., Ga., La. (Shreveport, 1¼c.); Miss., N. C., S. C., Tenn., Tex. (El Paso, 2c.); Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1.6c. higher Pac. Coast; Denver, Pueblo, Salt Lake City, Wichita, frt. equalized with Chicago.

Blue dye sare listed under Dyes.
Blue mass, NF, cns., tubs....lb. 1.58 - —
powd., bots., cns., dms.....lb. 1.61 - 1.76
Blueflag, root, bls.....lb. No stocks
Bluestone (see Copper sulphate).
Blue vitriol (see Copper sulphate).
Boldo leaves, bls.....lb. .11 - .12
Bone, raw bulk, Chicago....ton.75.00 - —
junk, bulk, same basis....ton.50.00 -52.00
Meal, raw, 4½% ammon., 50% ton.65.00 - —
phos., bgs., E. works..
Chicago, works...ton.75.00 - —
steamed, feeding grade, 1% ammon., 60% phos., kgs., E. works..ton.70.00 - —
Chicago, works....ton.80.00 - —
fertilizer grade, 3% ammon., 50% phos., bgs., E. works ton.60.00 - —
Chicago, works....ton.60.00 - —
Phosphate, defluorinated (see D.).
Precipitated (see Calcium phosphate tribasic precip.).
Boneset leaves, bls.....lb. .16 - .17
Borage flowers, bls.....lb. .60 - .62
Borax, tech., 99½% fine gran., bulk, works..ton.44.50 -47.50
paper bgs., c.l., works, frt. alld..ton.48.50 -51.00
ton lots, ex whse. N. Y. or Chi..ton.66.00 - —
less ton lots, same basis. ton.71.00 - —

Borax, tech., 99½%, fine gran., ton lots, ex whse. N. Y. or Chi..ton.86.00 - —
less ton lots, same basis. ton.91.00 - —
coarse gran., cryst., paper bgs., c.l., works, frt. alld..ton.53.50 -56.00
ton lots, ex whse. N. Y. or Chi..ton.71.00 - —
less carlots, same basis. ton.76.00 - —
bbls., c.l., works, frt. alld..ton.73.50 - —
ton lots, ex whse. N. Y. or Chi..ton.91.00 - —
less carlots, same basis. ton.96.00 - —
USP, $15 per ton higher.
Bordeaux mixt., dms., c.l., whse., works, frt. alld..lb. .11 - —
l.c.l., same basis.....lb. .11½- —
Bornyl thiocyanoacetate (see Isobornyl thiocyanoacetate).
Brimstone (see Sulphur).
Bromine, purified, cs., c.l., frt. alld. E. of Rockies..lb. .21 - —
1,000 lbs., frt. alld. E. of Rockies..lb. .23 - —
single pkgs., same basis.lb. .28 - —
Brazilwood extract (see Hypernic).
Bromoform, USP, bots.....lb. 1.50 - 1.70
cbys. .....lb. 1.42 - —
Bromstyrol .....lb. 4.85 - 6.25
Bronze powder, aluminum (see A).
Gold, litho., 100-lb. cns., dms., works..lb. .50 - .60
gold, moulding, 100-lb. cans, dms., same basis..lb. .80 - 1.00
printing ink, 100-lb. cns., dms., same basis..lb. .95 - 1.10
radiator, 100-lb. cns., dms., same basis..lb. .60 - .65
Broomtop, bls. .....lb. .29 - .30

Brown, iron-oxide, pure, precip., cks., works..lb. .10¼- .10½
Metallic, bgs., c.l., works.lb. .02½- .02¾
Sap, crystals, works.....lb. .12 - —
powdered .....lb. .13 - —
Sienna, burnt, American, bbls., works..lb. .06½- .08
pap. bgs., l.c.l., same basis..lb. .04 - .04½
Italian type, bbls., works. lb. .08¾- .09¾
raw, American, bgs., l.c.l., works..lb. .04¾- .05
Italian type, bbls., works lb. .08 - .10
Umber, burnt, American, bbls., works..lb. .06¼- —
Italian-type, bbls., works.lb. .04¾- —
Turkey-type, bgs., c.l., Boston, Bethlehem Easton, Pa.; N. Y..lb. .05 - .05¼
St. Louis, Chicago, Indianapolis, New Orleans..lb. .06½- —
Minneapolis .....lb. .0560- —
Pittsburgh .....lb. .05¼- —
Los Angeles .....lb. .06½- —
Portland, San Francisco, Seattle..lb. .06¾- —
ex whse., Los Angeles, lb. .06½- —
Portland, San Francisco, Seattle..lb. .06 - —
Vandyke, reg., bbls., works.lb. .09 - —
special, bbls., works.....lb. .12 - —
Brucine, cns., 100 ozs.....oz. .38 - .42
Sulphate, cns., 100 ozs.....oz. .32 - .34
Bryonia root, bls.....lb. .45 - .50
Buchu leaves, bls.....lb. 1.05 - 1.10
Buckthorn bark, bls.....lb. .33 - .40
cut and sifted, bbls.....lb. .49 - .50
Berries, bgs.....lb. 1.00 - 1.10
Burdock root, bls.....lb. .55 - .65
Burgundy pitch, dom., dms., wks., South..100 lbs. 8.71 - 9.21

Butane, indust., tanks, Group 3. gal. .06½- —
Butyl acetate, normal, ferment, Ill., Ind., prod., dms., c.l., frt. alld. E. of Miss. R..lb. .26½- —
l.c.l., same basis..lb. .27 - —
tanks, same basis....lb. .25 - —
tankwagon, same basis. lb. .25½- —
other production, dms., c.l., same basis..lb. .27 - —
l.c.l., same basis....lb. .27½- —
tanks, same basis....lb. .26 - —
synthetic, dms., c.l., same basis..lb. .15¼- —
l.c.l., same basis..lb. .16 - —
tanks, same basis...lb. .14½- —
secondary, dms., c.l., divd. E. of Miss. R..lb. .1210- —
l.c.l., same basis.....lb. .1260- —
tanks, same basis.....lb. .1150- —
Normal butyl acetate, W. of Miss. R., ½c. per lb. higher.
Aldehyde, dms., c.l., works..lb. .15½- —
l.c.l., works.....lb. .16½- —
tanks, works.....lb. .14½- —
Ether (see Ether, butyl).
Lactate, dms., c.l., frt. alld. E. of Rockies..lb. .36 - —
l.c.l., same basis.....lb. .38½- —
tanks, same basis.....lb. .37 - —
Laurate, dms., works.....lb. .42 - —
Myristate, dms., works.....lb. No prices
Oleate, ref., dms., l.c.l., works. lb. .35 - —
tech., dms., c.l., works....lb. .24 - —
l.c.l., works.....lb. .24½- .25½
Phenylacetate, dms.....lb. 2.00 - 2.25
Phthalate (see Dibutyl phthalate).
Propionate, dms., divd.....lb. .16½- .17
tanks, divd.....lb. .15½- —
Stearate, dms., l.c.l., frt. alld. E. of Rockies..lb. .47½- —
Butyric ether, bots.....lb. 6.50 - 6.90
cns., works.....lb. .65 - .70
dms., works.....lb. .60 - —

C

Cadmium bromide, jars.....lb. 1.66 - 1.91
Iodine, cns.....lb. 4.49 - 4.64
Iodide, cns.....lb. 4.48 - 4.49
Lithopone (see Yellow).
Metal, ingots or sticks, divd.. lb. 1.55 - —
pat. shapes, cs., divd.....lb. 1.55 - —
Selenide (see Red).
Sulphide (see Yellow).
Caffeine, dms., 100 lbs. or more. lb. 3.75 - 7.00
anhydrous, dms., 100 lbs. or more..lb. 4.00 - —
Citrated, dms., 100 lbs. or more. lb. 2.50 - —
Hydrobromide, bots.....lb. 5.91 - 5.99
Calabar beans, bgs., futures..lb. .65 - .66
Calamus root, natural, dom., bls. lb. .40 - .45
imported, bleached, bls..lb. .70 - .80
Calciferol, in corn oil, dms., 10,000 units or more, works. unit. .10 - —
1,000 to 10,000 units, works. unit. .11 - —
less than 1,000 units, works.. unit. .12 - —
Calcium acetate, bgs., divd.... 100 lbs. 3.00 - 4.00
Arsenate, dealers, dms., c.l. whse., wks., frt. alld..lb. .09 - —
l.c.l., same basis.....lb. .10 - .11
Bromide, N.F., jars.....lb. .65 - .70
Carbide, dms., c.l., works, ton.50.00 - —
divd. .....ton.87.00 -90.00
Carbonate (see Chalk and Whiting).
Chloride, cryst., purified, bbls., jars..lb. .28 - .30
flake, 77-80%, paper bgs., c.l., divd..ton.21.50 -38.00
l.c.l., divd.....ton.31.50 -48.00
liquor, basis 40%, tanks, works..ton. 8.50 - —
solid, 73-75%, dms., c.l., divd. ton.21.00 -37.50
l.c.l., divd.....ton.31.00 -54.15

Calcium chloride prices vary according to zone; minimum prices are for spot delivery. C.l. prices for flake in paper bags, $2.50 per ton; for burlap bags, drums, $3.50 per ton over paper bags.

Cyanide, dms., delivered E. of Rockies..lb. .20 - .40
Gluconate, USP, bbls.....lb. .58 - .65
cns. .....lb. .76 - .83
Calcium, gluconate, AA grade, 7c. per lb. higher.
Hydride, dms., works.....lb. .90 - —
Glycerophosphate, N.F., fib. dms..lb. 1.90 - —
Hypochlorite, 100-lb. dms., divd. E. of Rockies..dm.24.00 -28.50
cans, 45-lb. cases, same basis. ca.19.75 -21.50
Iodide, jars .....lb. 4.12 - —
Lactate, USP, powd., dms...lb. .40 - .42
Laurate, bbls. .....lb. .28 - .30
Mandelate, USP, dense, fluffy, works, dms..lb. 2.05 - 2.30
Naphthenate, 5% Ca, 50-gal. dms..lb. .25½- .26½
Pantothenate, dex., 100-gram bots, works..per gram. .10 - .13
Phosphate, feeding grade, bgs., works..ton.75.00 - —
food grade, bbls., 10 or over, works..lb. .07 - .07¾
less than 10, works.....lb. .06 - .10
medicinal, dibasic, bgs..... 100 lbs.11.40 -18.00
monobasic, cryst., bgs., c.l., works, frt. equald..lb. .05¾- —
l.c.l., frt. equald....lb. .06 - .06½
tribasic, bbls., c.l., works..lb. .0635- —
bgs., l.c.l., works.....lb. .0645- .0680
Phytate, bgs., works.....lb. .16 - .17
Resinate, precip., 5.8% Ca, 100-lb. dms..lb. .19 - —
Silicate, hydrated, c.l., bgs., works..lb. .05½- —
l.c.l., works.....lb. .06 - —
Stearate, precip., ctns., 2,000 lbs. to c.l., works..lb. .47 - —
less than ton lots, works.lb. .48 - —
Sulphate (see Gypsum).
Sulphide, 76%, bgs., c.l., works. ton.45.00 - —
80%, bgs., c.l., works...ton.50.00 - —
luminous, tins, works.....lb. 1.25 - —
Sulphocarbolate, bbls., dms..lb. .49 - .54
Tallate, 3%-4% Ca, 50-gal. dms. lb. .13¼- .19½
Calcium-strontium sulphide, phosphorescent, dms., works..lb. 1.06 - 1.50
fine particle size, works. lb. 1.50 - 1.75
Calendula flowers, bls.....lb. 1.15 - 1.20
Calomel, USP, dms.....lb. 2.44 - 2.45
fine powd., dms.....lb. 2.59 - 2.60
Camphor, monobromated, dms.lb. 3.20 - —
Camphor, natural .....lb. No stocks.
synth., tech., bbls., contract, 2,000 lbs. or more, works.lb. .54 - —
10 bbls. (1,500 lbs.)....lb. .56½- —
5 to 9 bbls. .....lb. .57 - —
1 to 4 bbls.....lb. .59 - —
smaller lots.....lb. .60 - .67
USP, gran., powd., bbls., 2,000-lb. lots..lb. .81 - —
1,000-lb. lots.....lb. .82 - —
smaller lots.....lb. .83 - —
tablets, 2,000-lb. lots....lb. .94 - —
1,000-lb. lots .....lb. .95 - —
smaller lots .....lb. .96 - —

Another Basic Organic Chemical for American Industry...

diphenyl carbonate

(CARBONIC ACID, DIPHENYL ESTER)

by GENERAL CHEMICAL COMPANY

Fundamental research and product development in today's chemical process industries constantly require new chemical tools of varying properties. Perhaps your investigations indicate the need for a process material with the characteristics of General Chemical Company's Diphenyl Carbonate. If so, experimental quantities of this basic organic chemical are available on request to General Chemical Company, Research and Development Division, 40 Rector Street, New York 6, N. Y.

With Diphenyl Carbonate in commercial production, General Chemical Company can supply your needs all the way from laboratory research to full scale operations . . . an important consideration when you investigate any material for product development.

GENERAL CHEMICAL COMPANY
40 RECTOR STREET, NEW YORK 6, N. Y.

Sales and Technical Service Offices: Albany • Atlanta • Baltimore • Birmingham • Boston Bridgeport • Buffalo • Charlotte • Chicago • Cleveland • Denver • Detroit • Houston Kansas City • Los Angeles • Minneapolis • New York • Philadelphia • Pittsburgh Providence • San Francisco • Seattle • St. Louis • Wenatchee & Yakima (Wash.) In Wisconsin: General Chemical Wisconsin Corporation, Milwaukee, Wis.

In Canada: The Nichols Chemical Company, Limited • Montreal • Toronto • Vancouver

Structural Formula:

Physical Properties:

Appearance: white crystalline solid, white needles from alcohol.

Molecular Weight: 214.
Melting Point: 78° C.
Boiling Point: 302° C.
Specific Gravity:
Liquid 1.122 at 87° C.
Solid 1.272 at 14° C.

Chemical Properties:

1. Can be halogenated and nitrated in characteristic manner.

2. Readily undergoes hydrolysis and ammonolysis when treated respectively with inorganic bases, ammonia and amines.

Solubilities:

Insoluble in water.

Quite soluble in acetone, hot alcohol, benzene, carbon tetrachloride, ether, glacial acetic acid, and many other organic solvents.

BASIC CHEMICALS
GENERAL CHEMICAL COMPANY
FOR AMERICAN INDUSTRY ©

Canada balsam (see Fir balsam).
Cantharides, Russian, bgs.....lb. 8.00 Nom.
Chinese, cs. .....lb. 5.75 - 6.00
powd., bxs. .....lb. 6.00 - 6.25
Capsicum (see Pepper, red).
Capsicum oleoresin, USP VII, cns..lb. 4.50 - 4.65
Caramel coloring, bbls.....gal. .70 - 1.10
Caraway seed, California, Dutch type..lb. .25½- .26
Danish, bgs.....lb. .25½- .26
Dutch, bgs. .....lb. .25¾- .26¼
futures, bgs. .....lb. .26 - .26½
Roumanian, bgs.....lb. .22 - —
Swedish, bgs. .....lb. .23½- .24
Carbazole, 95%, dms., ton lots, works..lb. .81 - —
smaller lots, works.....lb. .91 - —
35%, dms., ton lots, works..lb. .75 - —
smaller lots, works.....lb. .85 - —
Carbinol, butyl, norm. dms., l.c.l., works..lb. .42 - —
secondary, dms., l.c.l., works, lb. .70 - —
Isobutyl, dms., c.l., works..lb. .51 - —
l.c.l., works .....lb. .52 - —
tanks, works .....lb. .50 - —
Methylisobutyl, dms., c.l., nearest delivery point buyer's works..lb. .11¾- —
l.c.l., same basis.....lb. .12¾- —
tanks, same basis.....lb. .10¾- —
Carbon bisulphide, 50-gal. dms., c.l., frt. alld. E. of Miss. R., N. of Ohio R..lb. .05 - —
l.c.l., same basis.....lb. .05¾- —
5-gal. dms., c.l., same basis, lb. .07 - .07¼
l.c.l., same basis.....lb. .08 - .08¼
Dioxide, cyls. .....lb. .06 - .08
Tetrachloride, c.p., dms., c.l., lb. .08 - —
l.c.l. .....lb. .08¼- —
tech., Zone 1, 52½-gal. dms., c.l., frt. alld..lb. .06 - —
l.c.l., frt. alld.....lb. .06½- —
Zone 2, 52½-gal. dms., c.l., frt. alld..lb. .06½- —
l.c.l., frt. alld.....lb. .07 - —
Zone 3, 52½-gal. dms., c.l., frt. alld..lb. .07 - —
l.c.l., frt. alld.....lb. .07½- —
Zone 4, 52½-gal. dms., c.l. lb. .06½- —
l.c.l., frt. alld.....lb. .07 - —
USP, cbys.....lb. .17 - .19
Carbon tetrachloride prices are frt. alld. with the exception of Zone 4, where prices are f.o.b. cars L. A., Cal.; S. F., Cal.; Portland, Ore., and Seattle, Wash. Sales zones are:—1, Conn., Del., Ill., Ind., Ia., Me., Mass., Md., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., O., Pa., R. I., Tenn., Va., W. Va., Wis., and river cities of Burlington, Ia., and Kansas City, Kans.; 2, Ala., Ark., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. C., S. D.; 3, Colo., N. Mex., Tex., and Montana points E. of Billings; 4, Ariz., Cal., Idaho, Nev., Ore., Utah, Wash. and Montana points W. of Billings.
Cardamom, bleached, bold, cs., lb. 1.75 - 1.80
medium, cs.....lb. 1.55 - 1.60
decorticated, Guatemala, cs..lb. 1.40 - 1.45
India, cs.....lb. 1.45 - 1.50
green, Alleppey, bgs.....lb. 1.05 - 1.10
Carotene, cryst., 1,350,000 A units per gm., tins, works, 1,000,000 units. .50 - —
research grade (alpha, 10%; beta, 90%), amps. 100 grams, dlvd..gram. 2.85 - —
50 grams, dlvd.....gram. 2.90 - —
in vegetable oil, 250,000 USP units per gm., bots., works, lb. 37.80 - —
50,000 USP units per gm., bots., works..lb. 8.43 - —
dms., works.....lb. 7.68 - —
3,000 A units per gm., tins, works, 1,000,000 units. .55 - —
dms., works, 1,000,000 units. .60 - —
3,300 USP units per gm., dms., works..lb. .66 - .71
Carvol, bots. .....lb. 14.75 -22.50
Cascara sagrada bark, bulk..lb. .40 - .43
Case-hardening mixture, 30% gran., dms., l.c.l..lb. .09¾- —
slabs, dms., l.c.l.....lb. .08¾- —
Casein, dom., acid-precip., bgs., 10,000 lbs. or more, ship't point..lb. No prices
2,000 lbs. or more, but under 10,000 lbs., same basis..lb. No prices
less than 2,000 lbs., same basis..lb. No prices
rennet-precip., 10,000 lbs. or more, same basis..lb. No prices
2,000 lbs. or more, but under 10,000 lbs., same basis..lb. No prices
less than 2,000 lbs.....lb. No prices
imp., acid-precip., ground, bgs., 100 bgs. or more..lb. No prices
rennet-precip., unground, 100 bgs. or more..lb. No prices
Cassia, Batavia No. 1, Thinquill bls..lb. .60 Nom.
No. 1, regular, bls.....lb. Nominal
shortstick, bls.....lb. .50 Nom.
broken, bls.....lb. .48 Nom.
China buds, bgs.....lb. .33 - .33½
rolls, selected, cs.....lb. .13 - .13¼
extra select, broken, bls..lb. .12½- .13
Kwangsi, broken, bls.....lb. .15½- .16
Saigon, all medium.....lb. .32 - .33
4-10-4, bls.....lb. .35 - .36
broken, bls.....lb. .26 - .27
Yunnan, bls.....lb. .22 - .23
Cassia fistula, bekts.....lb. .26 - .28
Castor beans, bgs., Brazilian ports, long ton. 275.00 Nom.
Oil (see Oil, castor).
Pomace, bgs., c.l., works..ton. 37.50 - —
Castoreum, nat., cns.....lb. 8.00 -13.00
synthetic, cns.....lb. 10.00 -21.00
Catechol, CP, cryst., works, fib. dms..lb. 2.00 - —
resublimed, works, dms....lb. 3.25 - —
Catnep, bls. .....lb. .65 - .70
Celery seed, French, bgs.....lb. .31 - .32
Indian, bgs.....lb. .23½- .24
Celluloid scrap (see Pyroxylin scrap).
Cellulose acetate, flake, ctns., works, frt. alld. on 100 lbs. or more..lb. .36 - —
granules, ctns., same basis. lb. .42 - —
Acetate-butyrate, flake, high (36.5%) butyrl content, 50-lb. ctns., 5,000 lbs. and up, frt. alld.....lb. .51 - —
1,000-4,900 lbs. frt. alld..lb. .52 - —
50-lb. ctns., 100-900 lbs., frt. alld..lb. .53 - —
smaller pkgs., works. lb. .54 - —
medium (15.5 or 17.0%), 50-lb. ctns., 5,000 lbs. and up, frt. alld..lb. .49 - —
1,000-4,900 lbs., frt. alld..lb. .50 - —
100-900 lbs., frt. alld..lb. .51 - —
smaller pkgs., works..lb. .52 - —
Granules are 6c. per lb. higher, all quantities.
Triacetate, flake, ctns., works, frt. alld. on 100 lbs. or more..lb. .40 - —

Cerium hydrate, dms., works..lb. 1.00 - —
Oxalate, NF, bbls., kgs., works, lb. .50 - .52
Oxide, optical grade, kgs., 100-lb. lots, works..lb. 1.75 - —
bgs., smaller lots, works..lb. 2.25 - —
Chalk, precipitated, cosmetic, dentifrice, and drug, bgs., c.l., works..lb. .02¾- —
paint and other industries, bgs., c.l., works..ton. 40.00 - —
papermakers, bgs., c.l., works, ton. 32.50 -40.00
rubbermakers, bgs., b c.l., works..ton. 30.00 - —
Chamomile, Hungarian, cs., futures..lb. .70 - .75
Roman, bls., futures.....lb. 1.40 - 1.45
Charcoal, hardwood, lump, bulk, c.l., works..ton. 39.50 -43.50
bur, bgs., extra, returnable, c.l., works..ton. 42.50 -45.50
briquets, bulk, c.l., works. ton. 49.50 - —
bgs., c.l., works.....ton. 54.50 -55.50
granular, bgs., incl., c.l., wks. ton. 50.50 - —
screenings, bgs., works...ton. 33.50 - —
Pinewood, lump, bgs., c.l., Southern shipping point. ton. 35.50 - —
granular, powd., bgs., c.l., works, South..ton. 40.00 - —
l.c.l., works.....ton. 50.00 -60.00
Willow, powd., bbls.....lb. .06 - .07
Chestnut extract, 25% tannin, bbls., c.l., works.....lb. .0435- —
l.c.l., works.....lb. .0460- —
tanks, works.....lb. .0375- —
powdered, 65% tannin, bags extra, c.l., works.....lb. .1040- —
l.c.l., works.....lb. .1115- —

China clay, dom., dry-grd., airfloat, 99.75%, 300 mesh, bgs., c.l., works..ton. 12.00 - —
l.c.l., works....ton. 16.00 - —
bulk, c.l., works. ton. 9.00 - —
200 mesh, bgs., c.l., works..ton. 12.00 - —
l.c.l., works.....ton. 9.50-15.50
wet-grd., silk-bolt, 99½%, 325 mesh, bulk, c.l., works..ton. 9.50 - —
paper bgs., c.l., works. ton. 12.50 - —
imported, white, lump, bulk, c.l., ex dock Balto., Boston, Norfolk, Phila..ton. 20.00 -22.00
powd., cks., l.c.l., ex whse. ton. 45.00 - —
Chloral, dms., works.....lb. .45 - .50
Hydrate, jars.....lb. .93 - .98
Chlorinated rubber, standard, ctns., 100 lbs. up, works. lb. .32 - —
smaller lots, works.....lb. .35 - —
1-lb. bots., ex whse.....lb. 1.25 - —
Chlorine, liquid, cyls., c.l.....lb. .05¼- —
contracts .....lb. .05¼- —
l.c.l. .....lb. .07¼- —
tanks, single units, works, frt. equald..100 lbs. 2.00 - —
works, frt. equald..100 lbs. 2.30 - —
2 wks., frt. equald..100 lbs. 2.90 - —
1, wks., frt. equald..100 lbs. 3.50 - —
Chloroform, tech., dms.....lb. .20 - .23
USP, dms.....lb. .30 - .33
Chloropicrin, com'l, 180-lb. cyls. lb. .80 - —
100-lb. cyls., same basis. lb. .82 - —
25-lb. cyls., ex whse.....lb. 1.00 - —
1-lb. bots., ex whse.....lb. 1.25 - —
Choline chloride, fib. dms., works. lb. 3.00 - 3.10
feed grade, fib. dms., works, lb. 2.00 - —
Dihydrogen citrate, fib. dms., works..lb. 3.00 - 3.10

Chrome acetate, powd., 72% Cr., bbls., works..lb. No stocks
solut., 7½%, bbls., cs.....lb. .09¼- —
8½%, bbls., cs.....lb. .09¾- —
Fluoride, bbls., works.....lb. .24 - .27
Cake, bulk, c.l., works.....ton. 16.00 - —
Oxide (see Green, chrome oxide).
Trioxide (see Acid, chromic).
Yellow (see Yellow, chrome).
Chrysarobin, bots.....lb. 6.02 - 8.00
Cinchona bark, red, quill, USP, 10-in., can..lb. 1.26 Nom.
Cinchonidine, small, cryst., cns., 100 ozs..oz. 1.02½- —
Cinchonine, small, cryst., cns., 100 oz..oz. .75½- —
large, cryst., cns., 100 ozs..oz. .79½- —
sulphate, NF, cns., 100 ozs..oz. .55½- —
Cinchopen, NF, heavy, dms., works..lb. 4.20 - 4.30
standard, dms., works.....lb. 4.00 - 4.10
Cinnamic alcohol (see Alcohol, cinnamic).
Aldehyde, cbys., cns., dms..lb. .82 - 1.25
Cinnamon, Ceylon, No. 2, bls., futures..lb. 1.00 - 1.10
Citral, bots., cns.....lb. 7.25 - 9.65
Citronellal, bots., dms.....lb. No prices.
Citronellol, bots., dms.....lb. 5.70 -12.50
Clove, Madagascar, bls.....lb. .14 - .14½
futures, bls.....lb. .13½- .14
Zanzibar, bls.....lb. .16½- .17
Clover tops, red, dom., bgs....lb. .70 - .75
imported, bgs. .....lb. No stocks.
Coaltar, coal-gas, crude, 50 gal., bbls., c.l., works..bbl. 8.25 - 8.50
l.c.l., works.....bbl. 9.00 - 9.50
tanks, works.....gal. .08 - .08¾
refd., 50-gal. bbls., c.l., works. bbl. 9.00 - —
l.c.l., works.....gal. 9.50 - —
tanks, works.....gal. .09 - .09½

Spot Deliveries

CAFFEINE, CITRATED
U. S. P.

PHOSPHORIC ACID U.S.P., Syrupy
CAUSTIC SODA
SODA ASH
MAGNESIUM METAL POWDER, High Purity
HEAVY CALCINED MAGNESIA, White
CAUSTIC POTASH, Solid
PHOSPHORUS, Red Amorphous
SODIUM PERBORATE U.S.P.
CHROMIC ACID
TARTARIC ACID U.S.P.
BLEACHING POWDER, High Test
SILVER CYANIDE
PHENOL CRYSTALS U.S.P.

OTHER SPECIAL PRODUCTS
Distributors for THE RUFERT CHEMICAL COMPANY
NICKEL FORMATE • Also NICKEL CATALYST • NICKEL CARBONATE
NICKEL OXIDE, etc.

GOLWYNNE
CHEMICALS CORPORATION
420 LEXINGTON AVENUE • NEW YORK 17, N. Y. • PHONE LE 2-9740

Coaltar, water-gas, crude, 55-gal. dms., c.l., works..bbl. 8.50 - —
l.c.l., works .....bbl. 9.00 - —
refd., 55-gal. dms., c.l., works. dm. 9.00 - —
l.c.l., works .....dm. 9.50 - —
Cobalt acetate, bbls., kgs., dlvd. lb. .83¾- —
feed grade, 23¼% Co, kgs..lb. 1.25 - —
Carbonate, powd., bgs., works. lb. 1.56 - —
feed grade, 49½% Co, kgs.lb. 1.85 - —
Chloride, kgs., works.....lb. .87½- —
feed grade, 24.5% Co, kgs.lb. 1.25 - —
Hydrate, bbls.....lb. 2.04 - —
feed grade, 62% Co, kgs....lb. 2.25 - —
Linoleate, paste, 6%, dms...lb. .60 - —
solid, 3½%, dms.....lb. .67 - —
Naphthenate, 18% Co, solid, dms..lb. .35 - —
Nitrate, feed grade, 20.4% Co, kgs..lb. 1.25 - —
Oleate, bbls.....lb. .44 Nom.
Oxide, black, kgs.....lb. 1.84 - —
Phosphate, feed grade, 34% Co, kgs..lb. 1.75 - —
Resinate, precip., 7.5% Co, 100-lb. dms..lb. .38½- —
Soyate, 3%-3.5% Co, 50-gal. dms..lb. .42 - .44
Sulphate, dms.....lb. .65 - —
feed grade, 21% Co, kgs....lb. 1.00 - —
Cobalt salts, feed grade, quotations are f.o.b. Philadelphia, Cleveland or New York.
Cobald-ammonium sulphate, 14% Co, kgs..lb. .75 - —
Cocaine hydrochloride, 100-oz. lots, cns..oz. 9.75 - —
Cochineal, gray, bgs.....lb. .65 - .66
silver, Teneriffe, bgs.....lb. .66 - .69
Cocoa butter, bulk, ship. pt...lb. .38 - —
Cocillana bark, bgs.....lb. .53 - .54
Codeine, cns., 100 ozs.....oz. 11.70 - —
Hydrochloride, cns., 100 ozs.oz. 10.50 - —
Phosphate, cns., 100 ozs....oz. 9.00 - —
Sulphate, cns., 100 ozs.....oz. 9.50 - —

Codliver oil(see Oil, codliver).
Cohosh root, black, bls.....lb. .24 - .25
blue, bls. .....lb. .24 - .25
Colchinine, bots., cns.....oz. No stocks.
Colchicum seed .....lb. No stocks.
Collodion, USP, dms.....lb. .24 - .29
Flexible, USP, dms.....lb. .25½- .30½
Colocynth pulp, bls.....lb. .52 - .53
Colombo root, bls.....lb. .17 - .18
Coltsfoot leaves, bgs.....lb. .50 - .55
Condurango bark, bgs., futures, lb. .28 - .29
Copaiba balsam, Para, cns....lb. No stocks.
S. A., USP, cns.....lb. 1.30 - 1.35
Copper acetate, cupric, bbls., works..lb. .28 - —
smaller containers, wks..lb. .29 - .30
Carbonate, 52-54%, bbls.....lb. .23 - .24
Chloride, anhyd., bbls.....lb. .25½- —
crystals, bbls. .....lb. .17 - —
Cyanide, tech., bbls.....lb. .40½- —
Hydrate, dms. .....lb. .24½- —
Metal, electrolytic .....lb. .19½- —
Naphthenate, 8% Cu, liquid, dms..lb. .20½- —
solid, dms. .....lb. .25¾- —
Nitrate, tech., cryst., bbls., wks..lb. .19½- .20½
Oleate, precip., bbls.....lb. .22½- .23½
Oxide, black, bbls., works...lb. .25 - —
red, com'l, bbls., works....lb. .26 - —
Oxychloride-sulphate,[6] bgs...lb. .17 - .30
Resinate, precip., 8.5% Cu, 125-lb. dms..lb. .20½- —
Stearate, bgs., works.....lb. .35½- —
Sulphate, 99%, cryst., bgs., c.l., works..100 lbs. 7.10 - —
l.c.l., 700 to 30,000 lbs.. 100 lbs. 7.25 - —
monohydrated, dms., c.l., dlvd. 100 lbs. 12.10 - —
l.c.l., dlvd. .....100 lbs. 12.95 - —
tribasic, bgs., works, c.l...lb. .20½- .21½
l.c.l., same basis.....lb. .21½- .22

Copperas, cryst., gran., bgs., c.l., works..ton. 17.00 - —
l.c.l., works .....100 lbs. 1.55 - 2.00
bbls., c.l., works.....ton. 20.00 - —
bulk, c.l., works.....ton. 14.00 - —
Copra, c.i.f. Pacific ports...ton. 215.00 - —
c.i.f. Atlantic or Gulf ports.ton. 217.00 - —
Coriander seed, Argentine, bgs., lb. .05¾- .06¼
Indian, bgs. .....lb. No stocks
Italian, bgs.....lb. .06¼- .06¾
Morocco, bgs. .....lb. No stocks
Peruvian, bgs.....lb. .07 - .07½
Corn silk, bls.....lb. .55 - .60
Corn sugar, tanners, chipped, bgs., c.l., 60,000 lbs. min. 100 lbs. 4.44 - —
bbls., c.l., same basis..... 100 lbs. 4.48 - —
Syrup, 42°, bbls., c.l....100 lbs. 4.80 - —
l.c.l. .....100 lbs. 4.95 - —
Corrosive sublimate, USP, cryst., dms., 50 lbs. or more..lb. 2.07 - —
gran., powd., dms., 50 lbs. or more..lb. 1.92 - —
Cottonroot bark, bls.....lb. .40 - .45
Cottonseed hull ash, 32-36% pot-ash, bgs., dlvd..unit-ton. No prices
Meal, 41% protein, bulk, mills, southeast, c.i..ton. 70.00 - —
Coumarin, cns., 5 lbs. or more. lb. 2.75 - 3.25
smaller lots.....lb. 2.90 - 3.30
Cramp bark, NF, bls.....lb. .75 - .80
Cream of tartar, dom., USP, gran. or powd., bbls., 5,000 lbs. one ship't..lb. .45½- —
smaller lots, bbls., kgs., lb. .46 - .46½

Creosote carbonate, bots., cbys., lb. 2.30 - 2.40
Coaltar (see Cresol).
Oil, coaltar, crude, tanks works..gal. .16½- .17½
refined, dms., c.l., works, gal. .26 - .34½
l.c.l., same basis....gal. .28 - .38
tanks, same basis....gal. .19 - —
solution, tanks, works....gal. .15 - .16
Wood beech, bots., cbys....lb. 1.05 - 1.10
Hardwood, N.F., bots., cbys.lb. .80 - .97
Pine, dms.....gal. .31 - .32
Cresol, special resin grades, dms., c.l., works, frt. equald. lb. .12¼- .12¾
l.c.l., same basis.....lb. .13 - .13½
tanks, same basis.....lb. .11¾- .12
USP, dms., c.l., same basis..lb. .13¾- —
l.c.l., same basis.....lb. .14¼- —
tanks, same basis.....lb. .13 - —
Crotonaldehyde, 91-93%, 55 and 110 gal. dms., l.c.l., works. lb. .17 - —
5 and 10-gal. dms., l.c.l. works..lb. .20½- —
Cryolite, nat., bgs., bbls., c.l., works..100 lbs. 9.50 - 9.75
bbls., l.c.l., works....100 lbs. 10.00 - —
synth., bgs., bbls., c.l., frt. alld. E. of Miss R..lb. .08½- —
l.c.l., works.....lb. .09¼- —
Cube root, 5% rotenone, bbls., works..lb. .45 - —
4% rotenone, bbls., works..lb. .36 - —
Cubeb berries, XX, bgs.....lb. .90 - 1.00
powd., cs.....lb. 1.15 - 1.25
Culvers root, bls.....lb. .40 - .45
Cumin seed, Cyprus, bgs.....lb. No stocks
Indian, bgs., futures.....lb. .40 - .41
Morocco, bgs.....lb. No stocks
Persian, bgs.....lb. .33¾- .34¼
Syrian, bgs.....lb. .34 - .35
Cutch, bgs. .....lb. No stocks
Cyanamide, fertilizer mixing grades, guaranteed 20.6% N., gran., bulk, Niagara Falls, Ont., contracts, bulk, unit-ton. 1.85 - —
21% N., pulv., bgs., same basis..unit-ton. 1.75 - —
Cyclohexane, tech., dms., c.l., works..lb. .10½- —
l.c.l., works.....lb. .11 - —
tanks, works.....lb. .09½- —
Cyclohexanol, 99%-100%, dms., works..lb. .21 - .23
Cyclohexanone, 97½% min., dms., c.l., works..lb. .30 - .32
tech., dms., c.l., works.....lb. .30 - —
l.c.l., works.....lb. .30½- —
tanks, works.....lb. .29 - —
Cyclopropane, USP, cyls. dlvd., gal. .27 - —

D

Damiana leaves, bls.....lb. .35 - .40
Dandelion root, bls.....lb. .75 - .90
DDT, fiber, dms., c.l., works.lb. .42½- —
ton lots, works .....lb. .45 - —
tins, smaller lots, works...lb. .48 - .50
Decanol, normal, tech., dms., dlvd..lb. .35 - —
Deertongue, bls. .....lb. .34 - .35
Defluorinated phosphate, paper bgs., works..ton. 35.75 - —
Degras, common, bbls.....lb. .10 - .12
neutral, less 2%, ffa, bbls..lb. .22 - .24
over 2% ffa, bbls.....lb. .21 - .23
Derris root (see Cube root).
Dextrin, British gum, bgs., c.l., 100 lbs. 5.60 - —
l.c.l. .....100 lbs. 5.75 - —
Chicago, bgs., c.l....100 lbs. 5.15 - —
Corn, canary, bgs., c.l..100 lbs. 5.34 - —
l.c.l. .....100 lbs. 5.49 - —
Chicago, bgs., c.l..100 lbs. 4.89 - —
dark, bgs., c.l.....100 lbs. 5.44 - —
l.c.l. .....100 lbs. 5.59 - —
Chicago, bgs., c.l..100 lbs. 4.99 - —
white, bgs., c.l. ....100 lbs. 5.19 - —
l.c.l. .....100 lbs. 5.34 - —
Chicago, bgs., c.l..100 lbs. 4.74 - —
Dextrin prices above are for paper bags; cotton bags quoted 20c. higher.
Potato, dom., bgs., c.l.....lb. .13½- —
l.c.l. .....lb. .14 - —
Diacetone (see Alcohol, diacetone).
Diacetyl, flavor grades, bots...lb. 5.20 - 5.55
laboratory grade, bots..... 100 grams. 4.50 - —
tech., bots., works.....lb. 3.00 - —
Diamyl ether (see Amyl ether).
Phthalate, dms., tanks.....lb. No prices.
Diamylamine, dms., c.l., works, lb. 1.47 - —
l.c.l., works .....lb. 1.50 - —
Dianisidine, dms. .....lb. 1.38 - —
Diatomaceous earth, dom., CP, bgs., c.l., Atlantic Coast.lb. .07 - —
l.c.l., ex whse.....lb. .10 - .16
nat., bgs., c.l., Pacific coast, ton. 22.00 - 25.00
l.c.l., ex whse.....ton. 45.00 - —
purified, bgs., c.l., Atlantic coast..ton. 55.00 - 59.00
l.c.l., ex whse.....ton. 85.00 - 90.00
imported, Algerian, bgs., c.l., Atlantic coast..ton. No prices.
Mexican, white, bgs., c.l., Atlantic coast..lb. .03 - —
l.c.l. .....lb. .06 - —
Dibutyl phthalate, 5-gal. cns., frt. alld. E. of Rockies..lb. .33½- —
1-gal. cns., same basis....lb. .33½- —
dms., c.l., same basis.....lb. .29½- —
l.c.l., same basis.....lb. .30 - —
tanks, same basis.....lb. .28 - —
Dibutyl sebacate, dms., c.l., works..lb. .5570- —
l.c.l., works .....lb. .5626- —
tanks, works .....lb. .5470- —
Tartrate, dms., wks., frt. alld. lb. .92 - 1.02
Dibutylamine, dms., c.l., works, lb. .76 - —
l.c.l., works .....lb. .79 - —
Dichlorodiphenyltrichloroethane (see DDT).
Dichloroethyl ether, purified, dms., c.l., works, frt. equald with So. Charleston..lb. .13¼- —
l.c.l., same basis.....lb. .14 - —
tanks, same basis.....lb. .12½- —
Diethanolamine, dms., c.l., frt. alld. in E..lb. .23½- —
l.c.l., same basis.....lb. .24½- —
tanks, same basis.....lb. .22½- —
Diethyl carbonate, dms., l.c.l..lb. .40 - —
Oxalate, dms., c.l.....lb. .33 - —
l.c.l. .....lb. .33¼- —
tanks .....lb. .32 - —
Phthalate, dms., c.l., dlvd...lb. .28 - .38
tanks, dlvd. .....lb. .27 - .37
Sulphate, dms., c.l., works..lb. .14 - —
l.c.l., works.....lb. .15 - —
tanks, works .....lb. .13 - —
Diethylamine, dms., c.l., works, lb. .54 - —
l.c.l., works .....lb. .56 - —
tanks, works .....lb. .50 - —
Diethylaminoethanol, dms., l.c.l., works, frt. alld. E. of Miss. R..lb. .75 - —
Diethylaniline, dms. .....lb. .48 - —

BENZYL BENZOATE

DDT (Government Specifications)

ERGOSTEROL (Non Irradiated)

TRICRESYL PHOSPHATE (All Grades)

p-AMINO HIPPURIC ACID

MONTROSE *Chemical Company*
LISTER AVENUE, NEWARK, NEW JERSEY
SELLING AGENTS **R. W. GREEFF & CO., INC.** 10 ROCKEFELLER PLAZA, NEW YORK, N.Y.
TRIBUNE TOWER, CHICAGO, ILLINOIS

Diethyleneglycol, dms., c.l., frt. alld. in E...lb. .14 - —
l.c.l., same basis.....lb. .15 - —
tanks, same basis.....lb. .13 - —
Monobutylether, dms., c.l., wks. lb. .22 - —
l.c.l., works .....lb. .23 - —
tanks, works .....lb. .21 - —
Monoethylether, dms., c.l., wks. lb. .15½ - —
l.c.l., works .....lb. .16½ - —
tanks, works.....lb. .14½ - —
Digitalis leaves, dms.....lb. 1.05 - 1.15
Diglycol laurate, dms.....lb. .31 - .32
Oleate, light, bbls., c.l.....lb. .17 - —
Stearate, bbls., c.l.....lb. .23 - —
Dihydroxydichlorodiphenylmethane, dms., works of N.Y. met..lb. .95 - 1.00
smaller containers, **same basis.** lb. 1.05 - 1.40
Di-isobutyl ketone, dms., works.. lb. .19 - —
Dillseed, decorticated, bgs....lb. .14 - .14½
dewhiskered, bgs.....lb. .11½ - .12
Dimethyl phthalate, dms., c.l., dlvd..lb. .20 - —
l.c.l., dlvd.....lb. .20½ - —
tanks, dlvd.....lb. .19 - —
Dimethylamine, anhyd., cyl., frt. alld. E. of Miss., 100% basis. lb. .40 - —
solution, dms., works, frt. alld. E. of Miss., 100% basis..lb. .37 - .47½
tanks, same basis.....lb. .36 - —
Dimethylaniliin, dms., c.l.....lb. .20 - —
l.c.l .....lb. .22 - —
Dinitrobenzene, bbls.....lb. .16 - —
Dinitrochlorobenzene, dms.....lb. .14 - —
Dinitronaphthalene, kgs.....lb. .35 - .38
Dinitrophenol, bbls.....lb. .22 - —
Dinitrotoluene, rfd., dms.....lb. .18 - —
oily, dms.....lb. .05 - —
Diorthotolylguanidin, dms., ten lots, dlvd..lb. .44 - —
smaller lots, dlvd.....lb. .46 - .47
Dioxan, dms., c.l., frt. alld....lb. .20 - —
l.c.l., **same basis**.....lb. .21 - —
tanks, same basis.....lb. .19 - —
Dip oil (see Tar acid oil).
Dipentene, destructive dist., dms., incl., wks., South, c.l..gal. .60 - —
tanks, wks., South.....gal. .60 - —
steam dst., dms.....gal. .80 - —
tanks, dlvd. E.....gal. .77 - —
Diphenyl, bbls., c.l., works....lb. .15 - —
l.c.l., works.....lb. .16 - .20
Oxide, perfume grade, cns...lb. .50 - .61
dms. .....lb. .45 - .56
Diphenylamine, bbls.....lb. .25 - —
Diphenylguanidin, dms., tons..lb. .35 - —
smaller lots.....lb. .36 - .37
Divi-divi, 38% tannin, c.l., U.S. ports, ex dock..ton.65.00 -67.00
Dograss root, dom., cut, bls.lb. .30 - .35
imp., NF, cut, bls.....lb. .40 - .45
Dogwood, Jamaica, bark, bls..lb. .12 - .14
Dover's powder, USP, cns....lb. No stocks
Dragon's blood, drops, cs.....lb. .55 - .60
reeds, cs.....lb. No stocks
Dyes, coaltar (certified colors for foods, drugs and cosmetics), 8-lb. lots)—
Blue, FD&C, No. 1, cns....lb.13.00 - —
Green, FD&C, No. 1, cns....lb.13.00 - —
No. 2, cns.....lb.17.00 - —
No. 3, cns.....lb.27.00 - —
Orange, FD&C, No. 1, cns..lb. 2.80 - —
No. 2, cns.....lb. 3.55 - —
Red, FD&C, No. 1, cns.....lb. 5.75 - —
No. 2, cns.....lb. 3.05 - —
No. 3, cns.....lb.17.00 - —
No. 4, cns.....lb. 5.50 - —
No. 32, cns.....lb. 4.05 - —
Yellow, FD&C, No. 1, cns..lb. 8.00 - —
No. 3, cns.....lb. 2.55 - —
No. 4, cns.....lb. 2.55 - —
No. 5, cns.....lb. 3.05 - —
No. 6, cns.....lb. 3.05 - —

Dyes, coaltar (certified colors for drugs and cosmetics), 1-lb. lots—
Black, D&C, No. 1, cns.....lb. 8.35 - —
Blue, D&C, No. 4, cns.....lb.12.35 - —
Brown, D&C, No. 1, cns.....lb.12.35 - —
Green, D&C, No. 5, cns.....lb.12.35 - —
No. 6, cns.....lb.12.35 - —
Orange, D&C, No. 3, cns....lb. 8.35 - —
No. 4, cns.....lb.15.35 - —
No. 10, cns.....lb.15.35 - —
Red, D&C, No. 8, cns.....lb. 2.85 - —
No. 17, cns.....lb. 8.35 - —
No. 18, cns.....lb.15.35 - —
Yellow, D&C, No. 7, cns....lb. 8.35 - —
No. 8, cns.....lb. 8.35 - —
No. 11, cns.....lb.10.35 - —
No. 19, cns.....lb.15.35 - —
No. 22, cns.....lb. 8.35 - —
No. 33, cns.....lb.15.35 - —
No. 37, cns.....lb.12.35 - —

Dyes, coaltar (certified colors for external use drugs and cosmetics), 1-lb. lots—
Blue, Ext. D&C, No. 1, cns..lb.12.35 - —
Green, Ext., D&C, No. 1, cns. lb.12.35 - —
Red, Ext. D&C, No. 1, cns..lb.10.35 - —
No. 3, cns.....lb.21.85 - —
No. 8, cns.....lb. 7.85 - —
No. 10, cns.....lb.12.35 - —
No. 13, cns.....lb.12.35 - —
Yellow, Ext. D&C, No. 1, cns. lb. 8.35 - —

Dyes, coaltar, for general uses (number are those of Colour Index scale)—
86 Chrome yellow, 2G...lb. .65 - .70
40 Chrome yellow R.....lb. .50 - 1.00
53 Victoria violet.....lb. .80 - 1.00
165 Lake red C.....lb. .70 - .80
170 Fast red A.....lb. .56 - .60
180 Fast red VR.....lb. 1.50 - 1.60
189 Lake red R, paste..lb. .85 - .90
189 Lake red R, powd....lb. **3.00 - 3.10**
202 Chrome blue black U.lb. .35 - .42
204 Chrome black A.....lb. .42 - .45
208 Fast red bilue R.....lb. .75 - 2.00
218 Chrome red B.....lb. 1.75 - 2.00
262 Cloth red 2B.....lb. .60 - .80
289 Fast cyanin 5R.....lb. .90 - 1.00
299 Chrome black F.....lb. .85 - .88
304 Paper yellow.....lb. .88 - .90
307 Fast cyanin black B.lb. .80 - .85
326 Direct fast scarlet...lb. 2.00 - 2.25
365 Chyrophenin G.....lb. .58 - .70
382 Direct scarlet B.....lb. 1.15 - 1.20
387 Direct violet B.....lb. 1.00 - 1.30
394 Direct violet N.....lb. .80 - .95
401 Developed black BHN, lb. .45 - .60
406 Direct blue 2B.....lb. .66 - .70
415 Direct orange B.....lb. .60 - .70
419 Direct fast red F....lb. .70 - .73
426 Direct brown M.....lb. .55 - .57
448 Benzo purpurin 4B...lb. .66 - .68
465 Benzo purpurin 10B..lb. .40 - .50
502 Direct azorin G.....lb. .75 - .80
512 Direct blue RD.....lb. .80 - 1.00
518 Direct pure blue 6B..lb. 1.20 - 1.30
520 Direct pure blue.....lb. .50 - 1.00
529 Direct fast black FF.lb. .55 - 1.00
581 Direct black EW.....lb. .50 - .54
582 Direct black RX.....lb. .35 - .45
592 Direct green B.....lb. .50 - .55
594 Direct green G.....lb. .50 - .55
596 Direct brown 3GO...lb. .85 - 1.00
620 Direct yellow R.....lb. 1.25 - 1.50
688 Acid violet.....lb. 1.00 - 3.00
812 Primulin .....lb. .70 - .73
814 Direct fast yellow....lb. 2.00 - 2.25
945 Nigrosin (water soluble). lb. .35 - .50

Dyes, coaltar, for general uses (numbers are those of Colour Index scale)—
1177 indigo, 20%, paste....lb. .15 - .18
Benzo fast black L..lb. .90 - 1.00
Sulphur black.....lb. .20 - .25
Sulphur blue.....lb. .45 - 1.00
Sulphur brown.....lb. .25 - .50
Sulphur maroon....lb. .40 - —
Sulphur tan.....lb. .30 - .50
Sulphur olive.....lb. .25 - .54
Sulphur yellow.....lb. .30 - .50
Zambesi black.....lb. .75 - .80

Dyes, coaltar, for stains, oil-soluble (prices E. in barrels of 250 lbs. each; 25 lb. lots and up, 3c. per lb. higher, sellers' works or warehouse).
Black—
835 Nigrosin derivatives..lb. .36 - .44
Blue—
7075 Alizarin astral base..lb.15.00 - —
1073 Alizarin cyanin, green base..lb. 6.00 - —
Brown—
Brown, oil soluble.....lb. 1.15 - —
Green—
1078 Alizarin cyanin green base..lb. 5.00 - —
Orange—
24 Sudan I.....lb. .75 - —
Red shade.....lb. .75 - —
Red—
75 Sudan II.....lb. 1.05 - —
258 Sudan IV.....lb. .85 - —
680 Oil violet.....lb. .60 - —
749 Rhodamine B (oil pink). lb. 2.50 - —
1060 Anthraquinone, violet base..lb. 6.00 - —
Yellow—
16 Amidoazobenzene yellow. lb. .90 - —
17 Amidoazotoluene yellow. lb. .75 - —
61 Yellow OB.....lb. 1.40 - 2.00

Dyes, coaltar, for stains, spirit-soluble (prices in barrels of 250 lbs. each; 25-lb. lots and up, 3c. per lb. higher, sellers' works or warehouse).
Black—
246 Naphthol blue black S.. lb. .50 - —
729 Victoria blue B.....lb. 1.85 - —
861 Indulin .....lb. .87 - —
878 Methylene gray.....lb. 1.50 - —
909 New blue P.....lb. 1.20 - —
922 Methylene blue.....lb. 1.00 - —
1054 Alizarin saphirol B..lb. 1.90 - —
1130 Indigotin IA.....lb. .85 - —
Blue—
714 Patent blue A.....lb. 1.05 - 1.10
Brown—
231 Bismarck brown G...lb. .47 - .62
234 Resorcin brown Y....lb. .65 - —
235 Resorcin dark brown R. lb. 65 - —
632 Bismarck brown R...lb. .47 - .62
793 Phosphin .....lb. 4.65 - —
Green—
5 Naphthol green B....lb. 1.00 - —
657 Malachite green.....lb. 1.35 - —
662 Brilliant green.....lb. 2.00 - —
666 Guinea green B.....lb. 1.15 - —
737 Wool green S.....lb. .58 - —
924 Methylene green B....lb. 1.55 - —
1078 Alizarin cryanin green.. lb. 2.00 - —
Orange—
10 Chrysodin G.....lb. .44 - —
21 Chrysodin R.....lb. .41 - —
27 Orange G.....lb. .50 - —
31 Amidonaphthol red G.lb. .42 - —
37 Amidonaphthol red 6B. lb. .68 - —
151 Orange Y.....lb. .31 - .32
161 Orange R.....lb. .34 - —

Dyes, coaltar, for stains, spirit-soluble (prices in barrels of 250 lbs. each; 25-lb. lots and up, 3c. per lb. higher, sellers' works or warehouse).
Red—
79 Ponceau R.....lb. .48 - —
88 Fast red B.....lb. 1.65 - —
176 Fast red A.....lb. .54 - —
179 Azorubin .....lb. .60 - —
183 Crocein scarlet 3BX..lb. .72 - .75
185 Cochineal red A.....lb. .60 - —
252 Brilliant crocein M...lb. .68 - —
677 Fuchsin .....lb. 2.10 - —
749 Rhodamine B.....lb. 3.50 - —
752 Rhodamine 6B.....lb. 4.50 - —
768 Eosin G.....lb. 1.50 - —
841 Safranin .....lb. 1.45 - —
Violet—
680 Methyl violet B.....lb. .70 - .75
681 Crystal violet B.....lb. 1.75 - —
695 Acid violet 4BN.....lb. .88 - —
Yellow—
10 Naphthol yellow S....lb. .83 - —
138 Metanil yellow.....lb. .56 - .58
636 Fast light yellow.....lb. 1.25 - —
639 Xylene light yellow...lb. 1.15 - —
640 Tartrasin .....lb. .80 - —
655 Auramine .....lb. 1.27 - —

Dyes, coaltar, for stains, water-soluble (prices E. in barrels of 250 lbs. each; 25-lb. lots and up, 8c. per lb. higher, sellers' works or warehouse).
Black—
364 Nigrosin .....lb. .36 - .44
Blue—
860 Indulin .....lb. .60 - .70
Brown—
331 Bismarck brown.....lb. 1.50 - —
Green—
637 Malachite, green base.. lb. 2.00 - —
Orange—
20 Chrysoidin G.....lb. .95 - —
21 Chrysoidin R.....lb. .96 - —

Common House Fly, *Musca Domestica.* Reproduced from photograph of model, The American Museum of Natural History.

SANTOBANE
(MONSANTO DDT)

MONSANTO CHEMICALS
SERVING INDUSTRY...WHICH SERVES MANKIND

Santobane* is a uniform, free-flowing, granular product and can be easily solubilized or milled. It is recognized as outstanding for liquid and aerosol formulations, as well as for dusts.

The present supply of Santobane is not equal to the demand. However, as soon as raw materials become more plentiful, adequate production may be expected.

Meantime, your inquiries are invited. Write: MONSANTO CHEMICAL COMPANY, Organic Chemicals Division, 1700 South Second Street, St. Louis 4, Missouri.

*Reg. U. S. Pat. Off.

Dyes, coaltar, for stains, water-soluble (prices E. in barrels of 250 lbs. each; 25-lb. lots and up, 8c. per lb. higher, sellers' works or warehouse).
Red—
677 Fuchsin, magenta, base..lb. 7.25 - —
749 Rhodamine R.....lb. 4.75 - —
Yellow—
67 Amidoazotoluene yellow..lb. .75 - —
655 Auramine .....lb. 2.00 - —
800 Chinolin yellow SS...lb. 2.00 - —
Violet—
680 Methyl violet base...lb. .85 - —
Dyes, natural (see name of article).

E

Echinacea root, bls.....lb. .70 - .75
Egg, albumen (see Albumen).
Yolk, dried, dom., bbls.....lb. 1.15 - 1.25
imported .....lb. No stocks
Elder flowers, bright, bls.....lb. .75 - .80
Elecampane root, bls.....lb. .45 - .50
Elm bark, grinding, bls.....lb. .35 - .36
powd., bbls., bxs.....lb. .55 - .56
select, bndls.....lb. .55 - .56
Emetine hydrochloride, bots...oz. 53.50 -54.00
Ephedra, bls.....lb. .28 - .30
Ephedrine, synthetic, USP, anhydrous, bots., 100-oz. lots..oz. .84 - —
hydrous, bots., 100-oz. lots, oz. .78 - —
Hydrochloride, tin..100 ozs. oz. .60 - —
Sulphate, cryst., tins, 100 ozs. oz. .57 - —
powd., tins, 100-oz. lots..oz. .58 - —
Epinephrine, synth., USP, bots.. gram. .76 - .86
Epsom salt, tech., cryst., bgs., c.l..100 lbs. 2.05 - —
l.c.l. .....100 lbs. 2.40 - 2.65
USP, cryst., bgs., c.l..100 lbs. 2.25 - —
l.c.l., 5,000 lbs., 1 withdrawal..100 lbs. 2.50 - —
smaller lots.....100 lbs. 2.75 - —
bbls., c.l.....100 lbs. 2.35 - —
l.c.l., 5,000 lbs., 1 withdrawal..100 lbs. 2.60 - —
smaller lots.....100 lbs. 2.85 - —
kgs., c.l.....100 lbs. 2.60 - —
l.c.l., 5,000 lbs., 1 withdrawal.....100 lbs. 2.85 - —
smaller lots.....100 lbs. 3.10 - —
Epsom salt prices freight equalized with Balto., Carteret, N. J.; Chicago, Cincinnati, Cleveland, Houston, New Orleans, New York.
Ergot, USP, cns.....lb. 1.55 - 1.60
Eserine, bots.....oz. No prices
Sulphate, bots.....oz. 65.00 - —
Ether, acetic (see Ethyl acetate).
Amyl (see Amyl ether).
Butyl, l.c.l., dms., dlvd.....lb. .30 - —
Ethyl (see Ether, sulphuric).
Nitrous, cons., bots., 100 lbs..lb. .98 - 1.10
Sulphuric, cons., dms.....lb. .11 - .16
USP anesthesia, hospital, 1-lb. cns..lb. .74 - .75
Synthetic, dms., c.l., frt. alld. lb. .17 - —
l.c.l., same basis.....lb. .18 - —
tanks, same basis.....lb. .16 - —
Ethyl acetate, natural, fermentation, 85-88%, dms., c.l., frt. alld..lb. .20 - —
l.c.l., frt. alld.....lb. .20½- —
tanks, frt. alld.....lb. .19 - —
95-98%, dms., c.l., frt. alld. lb. .21 - —
l.c.l., frt. alld.....lb. .21½- —
tanks, frt. alld.....lb. .19½- —
99%, dms., c.l., frt. alld..lb. .21¼- —
l.c.l., frt. alld.....lb. .21¾- —
tanks, frt. alld.....lb. .19¾- —
USP, dms.....lb. .21¾- —
synthetic, 85-90%, dms., c.l., frt. alld..lb. .10½- —
l.c.l., frt. alld.....lb. .11 - —
tanks, frt. alld.....lb. .09½- —
95-98% dms., c.l., frt. alld. lb. .11 - —
l.c.l., frt. alld.....lb. .11½- —
tanks, frt. alld.....lb. .10 - —
Acetoacetate, dms., c.l., works. lb. .50 - —
l.c.l., frt. alld.....lb. .50½- —
Benzoate, bots.....lb. .50 - .53
B-ethoxy propionate, dms., works..lb .70 - —
Bromide, tech., 98%+, dms..lb. .36 - .40
Carbamate, dms., dlvd. E...lb. .58 - —
Chloride, tech., tanks.....lb. .13½- —
USP, bbls., cyl.....lb. .20 - .22
Cinnamate, cns.....lb. 2.65 - 2.85
Formate, dms., Aspue, Calif..lb. .26 - .32
Iodide, bots.....lb. 2.50 - 3.60
Lactate, dms., works.....lb. .23½- —
Myristate, dms., works.....lb. No prices
Oenanthate, dms.....lb. 1.10 - 1.15
Oleate, dms., l.c.l., works..lb. .47 - —
Oxalate, dms., frt. alld.....lb. .33 - —
Silicate, dist. (see Tetraethyl orthosilicate). 40% available SiO_2, dms., works..lb. .50 - —
Ethylcellulose, pkgs., 5,000 lbs. or more, works..lb. .50 - —
smaller lots, works.....lb. .52 - .60
Ethyldiethanolamine, dms., l.c.l., works..lb. .50 - —
Ethylene, dichloride, dms., c.l., works, frt. alld. E. of Rockies..lb. .08 - —
West of Rockies....lb. .08½- —
l.c.l., works, frt. alld. E. of Rockies..lb. .09 - —
West of Rockies.....lb. .09½- —
tanks, frt. alld. E. of Rockies. lb. .07 - —
West of Rockies.....lb. .07½- —
Trichloride (see Trichloroethane).
Ethyleneglycol, dms., c.l., frt. alld. in E... .10 - —
l.c.l., same basis.....lb. .11 - —
tanks, same basis.....lb. .09 - —
Monobutylether, dms., c.l., wks. lb. .17½- —
l.c.l., works.....lb. .18½- —
tanks, works.....lb. .16½- —
Monoethylether, dms., c.l., works..lb. .16½- —
l.c.l., works.....lb. .16½- —
tanks, works.....lb. .14½- —
Monoethylether, acetate, dms., c.l., works..lb. .18½- —
l.c.l., works.....lb. .14½- —
tanks, works.....lb. .13½- —
Monomethylether, dms., c.l., works..lb. .16½- —
l.c.l., works.....lb. .17½- —
tanks, works.....lb. .15½- —
Ethylethanolamine, dms., c.l., wks. lb. .57 - —
l.c.l., works .....lb. .60 - —
Ethyl-monoethanolamine, l.c.l., dms., works..lb. .50 - —
Ethylmorphine, hydrochloride, bots..oz. 10.50 -10.75
Ethylvanillin, cns., 5 lbs. or more..lb. 6.75 - —
smaller lots.....lb. 6.80 - 6.90
Eucalyptol, cns., dms.....lb. 2.65 - 2.75
Eucalyptus leaves, bls.....lb. .14 - .15
Eugenol, prime, USP XII.....lb. 2.60 - 2.80
Euphorbia, bls. .....lb. .20 - .22

F

Feldspar, enamel, 100 mesh..ton. 17.00 -20.50
bulk, c.l. .....ton. 14.00 -17.50
glass, 20 mesh, bgs., works, min. 2 tons..ton. 12.75 -16.25
bulk, c.l. .....ton. 9.75 -11.25
pottery, bgs., l.c.l., works, min. 2 tons..ton. 20.00 22.00
bulk, c.l., works.....ton. 17.00 19.00
Fennel seed, Argentine, bgs., futures..lb. .13 - .13½
Indian, bgs., afloat.....lb. .28 - .28½
Fenugreek, domestic, bgs.....lb. No stocks
Indian, bgs. .....lb. .09¼- .09¾
Morocco, bgs. .....lb. .09¾- .10
Ferric sulphate (see Iron sulphate, ferric).
Film scrap, colored, cs., works..lb. .13½- .15
water-white, cs., works.....lb. .14½- .17
Fir balsam, Canada, cns....gal. 19.50 -21.00
Oregon, bbls.....gal. 2.05 - 2.70
Fishberries, bgs. .....lb. .24 - .25
Fishliver oils (see Oil, fishliver).
Fishmeal, grd., 60% protein, bgs., E. works..ton. 135.00 - —
65% protein, bgs., E. works. ton. 135.00 - —
Fishscrap, dried, 60% protein, bulk, East coast..ton. 125.00 -130.00
Flake white, bbls.....lb. .09 - —
kegs .....lb. .11 - —
Flaxseed, black, bgs.....lb. .55 - .60
Blonde, bgs.....lb. .31 - .33
Fluorspar, No. 1, ground, 98-99% CaF_2, bulk, c.l., mines, net ton. 37.00 - —
washed, gravel, 70% or more CaF_2, c.l., bulk, mines. ton. 33.00 - —
65%, c.l., bulk, mines....ton. 32.00 - —
60%, c.l., bulk, mines....ton. 31.00 - —
less than 60%, c.l., bulk, mines..ton. 30.00 - —
Formaldehyde, bbls., c.l., works. lb. .0595- —
l.c.l., works .....lb. .0645- —
dms., extra, c.l., works.....lb. .0495- .0580
l.c.l., works .....lb. .0545- .0630
tanks, works.....lb. .0320- .0420
tanktrucks, dlvd., N.Y.C.....lb. .0345- —
Fringetree bark, bls.....lb. .75 - .76
Fuller's earth, dom., powd., bgs., c.l., Fla., Ga. mines..ton. 8.50 -15.00
Tex. mines .....ton. 12.50 - —
spent, bulk, Bayonne...ton. 3.00 - —
imp., bgs., c.l.....ton. 30.00 -40.00
Furfural, ref., dms., c.l., works. lb. .13½- —
cns., dms., l.c.l., works....lb. .18½- .25½
tech., dms., c.l., works....lb. .13 - —
l.c.l., cns., dms.....lb. .15½- .20½
tanks, works .....lb. .09½- —
Fusel oil, dms., c.l.....lb. .26 - —
l.c.l. .....lb. .28½- —
tanks .....lb. .25 - —
Fustic extract, cryst., No. 1, bbls., l.c.l..lb. .38 - —
No. 1A, bbls., l.c.l.....lb. .37 - —
No. 2, bbls., l.c.l.....lb. .36 - —
No. 3, bbls., l.c.l.....lb. .34 - —
liquid, No. 0, bbls., l.c.l....lb. .20½- —
No. 1, bbls., l.c.l.....lb. .19 - —
No. 2, bbls., l.c.l.....lb. .18 - —
No. 3, bbls., l.c.l.....lb. .15½- —
solid, No. 1, bxs., l.c.l.....lb. .23¾- —

G

G salt, bbls.....lb. .50 - —
Galangal root, bls.....lb. .26 - .28
Gambier, cube, Singapore, cs..lb. No stocks
Extract, bbls. .....lb. No stocks
Gammapicoline 95%, dms., c.l., works..lb. 1.35 - —
Gasoline, at refinery, ex tax Arkansas 73-75 octane, tanks, gal. .06¾- —
Bayonne, 74 octane, tanks, gal. .0780- .09
Gulf Coast, 73-75 octane, tanks..gal. .06¾- .07¼
Group 3, 73-75 octane, tanks, gal. .06¾- .07
Pennsylvania, western, U. S. motor, 74 octane, leaded, tanks..gal. .07½- .08¼
natural, 26/70 octane, Group 3 tanks..gal. .04 - —
Gelatin, silver label, ctns., dlvd. lb. .90 Nom.
export, cs.....lb. 1.00 Nom.
Silver label prices 5c. higher for deliveries in Ariz., Calif., Colo., Idaho, Mont., Nev., N. Mex., Ore., Tex., Utah, Wash. and Wyo.
Gelsemium root, bls.....lb. .35 - .40
Gentian root, bls.....lb. .29 - .30
grd., bbls., bxs.....lb. .35 - .36
powd., bbls., bxs.....lb. .34 - .35
Geraniol, 92-99%, cns., dms....lb. 9.00 -12.00
Geranyl acetate, cns.....lb. 5.02 - 12.50
Ginger, African, No. 1, bls.....lb. .15 - .15½
Calicut, Romeo-type, bgs.....lb. .16 - .16½
Cochin, bleached, bgs.....lb. .16½- .17
unbleached, bgs.....lb. .15¼- .15¾
Jamaica, No. 1, bgs.....lb. .18 - .18½
No. 2, bgs.....lb. .17 - .17½
No. 3, bgs.....lb. .16 - .16½
Rhattoon, bgs. .....lb. .14 - .14½
Glauber's salt, anhyd. (see Soda sulphate).
cryst., bgs., works.....100 lbs. 1.25 - 1.75
l.c.l., bgs., works...100 lbs. 1.65 - 2.10
Glue, bone, calcium type, 24 millipoise, 36 jellygrams, bgs., c.l., East of Midwest. lb. .21 - —
30/56, bgs., c.l., same basis..lb. .21 - —
58/82, bgs., c.l., same basis..lb. .17 - .22½
82/108, bgs., c.l., same basis..lb. .18½- .23½
Bone glue, l.c.l. prices 1c. higher than c.l.
Hide, 100-121 (jelly test in grams), bgs., c.l., dlvd....lb. .14 - .21¼
122-149, bgs., c.l., dlvd....lb. .15 - .22½
150-177, bgs., c.l., dlvd....lb. .16 - .23¾
178-206, bgs., c.l., dlvd....lb. .17 - .24½
207-236, bgs., c.l., dlvd....lb. .18 - .25¼
237-266, bgs., c.l., dlvd....lb. .19 - .26¼
267-298, bgs., c.l., dlvd....lb. .20 - .27½
299-330, bgs., c.l., dlvd....lb. .21 - .28½
331-362, bgs., c.l., dlvd....lb. .22 - .29¼
363-394, bgs., c.l., dlvd....lb. .23 - .30¼
395-427, bgs., c.l., dlvd....lb. .24 - .31½
428-460, bgs., c.l., dlvd....lb. .25 - .32½
4461-494, bgs., c.l., dlvd....lb. .26 - .33¼
495-529, bgs., c.l., dlvd....lb. .27 - .34½
Hide glue l.c.l., prices 1c. higher than c.l. bbls., ½c. over bgs.
Glycerin, crude, saponification, 88%, to refiners, tanks..lb. .45 - .60
soaplye, 80%, tanks.....lb. .35 - .50
dynamite, dms., c.l.....lb. .55¼- .75¼
l.c.l. .....lb. .55¾- .75¾
tanks .....lb. .55 - .75
high gravity, dms., c.l.....lb. .55¼- .75¼
l.c.l. .....lb. .55¾- .75¾
tanks .....lb. .55 - .75
refined, B.P., 98%, dms., c.l..lb. .55¾- .75¾
tanks .....lb. .55¼- .75¼
USP, 95%, dms., c.l.....lb. .55¼- .75¼
l.c.l. .....lb. .55¾- .75¾
tanks .....lb. .55 - .75
yellow, distilled, dms., c.l...lb. .55 - .75
tanks .....lb. .55 - .75
Glycine, USP (see Acid, aminoacetic).
Glycol boriborate, dms.....lb. .22 - —
Stearate, dms.....lb. .26 - —
Gold chloride, acid-brown, bots. oz. 20.00 -20.50
acid-yellow, bots.....oz. 18.75 -19.00
Gold-soda chloride, photo., bots. oz. 13.00 -13.50
USP IX, bots.....oz. 14.00 -14.50
Goldenseal root, bls.....lb. 8.90 - 9.00
powd., bxs. .....lb. 9.40 - 9.50
Gold of pleasure seed, bgs....lb. No stocks
Grains of paradise, bgs.....lb. .48 - .49
Graphite, dom., crystalline, 80% through 50 mesh, graphitic carbon content 65-70%, bgs., whse..lb. .04½- —
70-75%, bgs., same basis. lb. .05 - —
75-80%, same basis.....lb. .05½- —
80-85%, bgs., same basis. lb. .06 - —
85-90%, bgs., same basis. lb. .07 - —
90% and up, same basis. lb. .08 - —
imported, amorphous, powd., dlvd..lb. .04 - .06
crystalline, 88-90%, powd., same basis..lb. .14 - .16
90-92%, powd., same basis.. lb. .16 - .19
97% powd., same basis...lb. .22 - .25
flake, No. 1, 90-95%, 200-lb. crtns, same basis..lb. .21 - .22
No. 2, same basis.....lb. .22 - .24
Grease, choice, loose.....lb. .22 - —
house, loose.....lb. .20½- —
yellow, loose.....lb. .21 - —
white, loose.....lb. .21½- —
Wool (see Adeps lanae and Degras).
Green, brilliant, thioflavin toner, molybdic, kegs., works..lb. 3.25 - —
tungstic, kgs., works.....lb. 3.75 - —
Chrome, CP, dark, light, medium, blue content up to 5%, bbls., dlvd. N. of Tenn. and N.C. E. of Miss. River, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis..lb. .29 - —
6-10%, bbls., same basis. lb. .30 - —
11-15%, bbls., same basis. lb. .31 - —
16-20%, bbls., same basis. lb. .31½- —
21-25%, bbls., same basis. lb. .32¼- —
26-30%, bbls., same basis. lb. .32¾- —
31-35%, bbls., same basis. lb. .33¾- —
36-40%, bbls., same basis. lb. .35½- —
41-45%, bbls., same basis. lb. .37 - —
46-50%, bbls., same basis. basis..lb. .38¾- —
50% and over, bbls., same basis..lb. .39¾- —
reduced color, 5%, bbls., same basis..lb. .10 - —
6-10%, bbls., same basis.lb. .10¾- —
11-13%, bbls., same basis.lb. .11¼- —
14-16%, bbls., same basis.lb. .12 - —
17-19%, bbls., same basis.lb. .12¼- —
20-21%, bbls., same basis.lb. .12½- —
22-23%, bbls., same basis.lb. .12¾- —
24-25%, bbls., same basis.lb. .13 - —
26-27%, bbls., same basis.lb. .13¼- —
28-29%, bbls., same basis.lb. .14 - —
30-31%, bbls., same basis.lb. .15 - —
32-33%, bbls., same basis.lb. .16¼- —
34-35%, bbls., same basis.lb. .17¾- —
36-40%, bbls., same basis.lb. .20 - —
41-45%, bbls., same basis.lb. .22¼- —
46-50%, bbls., same basis.lb. .22¾- —
51-55%, bbls., same basis.lb. .23½- —
56-60%, bbls., same basis.lb. .24 - —
61-65%, bbls., same basis.lb. .25 - —
66-70%, bbls., same basis.lb. .26¼- —
Chrome green prices are ½c. higher divd. Ala., Fla., Ga., La. (Shreveport, 1½c.), Miss., N. C., S. C., Tenn., Texas (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1c. higher divd. Pac. Coast; for Denver, Pueblo, Salt Lake City and Wichita, prices are equalized with Chicago.
Chrome oxide, pure, bgs., works..lb. .29½- .36½
Malachite, thioflavin toner, molybdic, bbls., works..lb. 3.00 - —
tungstic, bbls., works.....lb. 3.50 - —
Phthalocyanin, tetrahydroxide (hydrated chromium oxide), bbls., works..lb. .85 - —
toner, bbls., works.....lb. 4.00 - 5.00
Paris (see P).
Tungstated, brilliant, kgs...lb. 3.00 - 4.00
emerald, kgs.....lb. 2.60 - —
Verdigris (see V).
Green dyes (see Dyes, coaltar).
Grindelia robusta, bls.....lb. .30 - .35
Guaiac, resin, cs.....lb. .32 - .34
Wood, bls.....lb. .35 - .36
Guaiacol, cryst., N.F., tins...lb. 1.60 - 1.65
Liquid, N.F., bots., cbys....lb. 1.50 - 1.60
Carbonate, dms.....lb. 2.40 - 2.46
Guarana, powd., cs.....lb. 2.00 - 2.10
Gum accroides (see Gum, yacca).
Aloe (see A).
Ammoniac, tears, cs.....lb. .90 - .95
Arabic, amber, sorts, bgs....lb. .14½- .15
white, sorts, 1, bgs.....lb. .28 - .29
Asphaltum (see A).
Asafetida (see A).
Benzoin, Sumatra, cs.....lb. .90 - 1.00
Camphor (see C).
Copal, Congo, bgs.....lb. No prices
East India, bgs.....lb. No prices
Manila, baskets .....lb. No prices
Dammar, cs. .....lb. No prices
Elemi, cns. .....lb. No prices
Ester, gum-resin type, dms., c.l., dlvd., Ill., Ind., Ky., Mich., Mid-Atl. States, N. England States, Minneapolis, N. C., Ohio, St. Louis, St. Paul, Va., W. Va....any quantity. .20 - —
lb. .21 - —
wood-resin type, dms., any quantity, dlvd. Ill., Ind., etc..lb. .19 - —
Euphorbium, cs.....lb. 1.50 Nom.
Galbanum, cs.....lb. .95 - 1.00
Gamboge, pipes, cs.....lb. 2.00 - 2.05
powd., bbls.....lb. 2.25 - 2.30
Ghatti, bgs.....lb. No stocks
Guaiac (see Guaiac resin).
Karaya, bbls., bxs., dms....lb. .21 - .50
Kauri, cs. .....lb. No prices
Locust bean, powd., bbls....lb. .50 - .60
Mastic, cs.....lb. 2.75 - 3.00
Myrrh, cs.....lb. .48 - .50
Olibanum, siftings, cs.....lb. .12 - .13
tears, cs.....lb. .27 - .45
Opium (see O).
Red (see Gum yacca).
Rosin (see R).
Sandarac, bgs.....lb. .90 - .95
Scammony, cs.....lb. 1.50 - 1.55
Talha, bgs.....lb. .10 - .11
Tragacanth, No. 1, cs.....lb. 4.50 - 5.00
No. 2, cs.....lb. 3.75 - 3.80
No. 3, cs.....lb. 3.20 - 3.45
Yacca, bgs. .....lb. No prices
Gypsum, Keene's cement, paper bgs., c.l., Acme, Tex., frt. equald..ton. 22.95 - —
Harlem River, N. Y., frt. equald..ton. 23.25 - —
Medicine Lodge, Kan., frt. equald..ton. 17.00 - —
New Brighton, N. Y., frt. equald..ton. 20.65 - —
Southard, Okla., frt. equald..ton. 17.00 - —
Sweetwater, Tex., frt. equald..ton. 21.45 - —
Acme, Texas, frt. equald. ton. 13.80 - —
Blue Rapids, Kan., frt. equald..ton. 10.50 - —
Harlem River, N. Y., frt. equald..ton. 12.00 - —
Medicine Lodge, Kan., frt. equald..ton. 12.50 - —
New Brighton, N. Y., frt. equald..ton. 13.00 - —
Southard, Okla., frt. equald. ton. 12.50 - —
Sweetwater, Tex., frt. equald..ton. 12.50 - —
Stucco, paper bgs., c.l., Acme, Texas; Akron, N. Y.; Blue Rapids, Kan.; Clarence Center, N. Y.; Fort Dodge, Ia.; Grand Rapids, Mich.; Gypsum, Ohio; Harlem River, N. Y.; National City, Mich.; New Brighton, N. Y.; Plasterco, Ga.; Portsmouth, N. H.; Roton, Tex.; Southard, Okla.; Sweetwater, Tex.; frt. equald..ton. 8.00 - —
Saltville, Va., frt. equald. ton. 9.00 - —
Terra alba, paper bgs., c.l., Harlem river, N. Y., New Brighton, N. Y., same basis..lb. 14.40 - —

H

Hawthorn berries, bgs.....lb. .60 - .65
Heliotropin, cryst., cns.....lb. 3.95 - 4.00
Hellebore, white, powd., bbls..lb. .46 - .47
Helonias root, bls.....lb. 2.25 - 2.30
Hematine extract, cryst., No. 4, bbls., l.c.l..lb. .41 - —
No. 1, bbls., l.c.l.....lb. .40 - —
No. 1A, bbls., l.c.l.....lb. .37 - —
No. 2, bbls., l.c.l.....lb. .36 - —
No. 3, bbls., l.c.l.....lb. .34 - —
No. 4, bbls., l.c.l.....lb. .32 - —
No. 5, bbls., l.c.l.....lb. .30 - —
paste, No. 1, bbls., l.c.l.....lb. .17½- —
No. 2, bbls., l.c.l.....lb. .16½- —
No. 3, bbls., l.c.l.....lb. .15½- —
red, No. 4, bbls., l.c.l.....lb. .14½- —
Hemlock bark extract, 25% tan, bbls., c.l., works..lb. No stocks
tanks, works.....lb. No stocks
Henbane leaves, bls.....lb. 1.00 - 1.25
Henna leaves, bls.....lb. .29 - .30
powd., bbls., bxs.....lb. .34 - .36
Heptane, industrial grade, 50°-100° C., dms., c.l., Group 3, gal. .12½- —
l.c.l., Group 3.....gal. .13 - —
tanks, Group 3.....gal. .10½- —
77°-115° C., dms., c.l., Group 3..gal. .13 - —
l.c.l., Group 3.....gal. .13 - —
tanks, Group 3.....gal. .10½- —
laboratory grade, dms., c.l., Group 3..gal. .16 - —
l.c.l., Group 3.....gal. .29 - .35
Hexalin (see cyclohexanol).
Hexaethyl tetraphosphate, cbys., cns., works..lb. 2.00 - —
dms., c.l., works.....lb. 1.10 - —
l.c.l., works.....lb. 1.25 - 1.75
Hexamethylenetetramine, tech., bbls., 1,000-lb. lots, Perth Amboy or N.Y.C..lb. .24 - —
smaller lots, same basis..lb. .25 - —
USP, dms., 500 lbs. or more, same basis..lb. .35 - —
smaller lots, same basis..lb. .36 - —
Hexane, 60°-70° C., industrial grades, dms., c.l., Group 3, gal. .12½- —
l.c.l., Group 3.....gal. .13 - —
tanks, Group 3.....gal. .10½- .11
laboratory grade, dms., c.l., Group 3..gal. .16 - —
l.c.l., Group 3.....gal. .29 - .35
Hexanol, normal, dms., l.c.l., works..lb. .25 - —
Homatropine hydrobromide, bots. oz. 15.00 -25.00
Hoofmeal, 17-18% ammonia, bulk, c.l., Chicago..unit-ton. 8.50 - —
Hops, NF, bls.....lb. .55 - 1.30
Horehound, bls. .....lb. .12½- .13
Hydrangea root, bls.....lb. .22 - .25
Hydrastine, alkaloid, bots....oz. 20.00 -22.00
Hydrochloride, bots.....oz. 20.00 -22.00
Sulphate, bots.....oz. 29.00 -32.00
Hydrastinine, 10-gr. bots....bot. 1.95 - —
Hydrastis (see Goldenseal).
Hydrofuramide, dms., fib. cns., works..lb. .30 - .40
Hydrogen peroxide, USP, bbls. lb. .03¾- .04
100 vols., cbys., E. of Miss. River or West coast via Panama Canal..lb. .15½- .18¼
Hydroquinone, bbls., dms.....lb. .90 - .94
Hydroxycitronellal, cns.....lb. 17.50 -21.50
dms., extra, ref'able, dlvd...lb. No prices
Hyoscine hydrobromide, bots..oz. 39.00 -45.00
Hyoscyamine, bots.....oz. 18.00 -20.00
Hydrobromide, bots.....oz. 18.00 -19.50
Sulphate, bots.....oz. 14.00 -19.50
Hypernic extract, cryst., No. 1, bbls., l.c.l..lb. .43 - —
No. 2, bbls., l.c.l.....lb. .40 - —
liquid, No. 1, bbls., l.c.l..lb. .27 - —
No. 2, bbls., l.c.l.....lb. .22 - —
solid, No. 1, bxs., l.c.l....lb. .33 - —
Hyssop, bgs.....lb. .60 - .61
leaves, bgs.....lb. .69 - .70

I

Iceland moss, bgs. .....lb. .50 - .53
Ichthammol, NF, bots.....lb. 2.45 - —
Indian red (see Red, Indian).
Indigo, nat., chests.....lb. 2.14 - 2.30
synth., paste, bots.....lb. .16½- .19
powd., bbls. .....lb. .74½- .85
Indol, CP, bots.....lb. 19.00 -22.00
Inositol, tins, works.....lb. 5.00 - —
Insect flowers (see Pyrethrum).
Iodine, crude, 150-lb. kgs., ex whse., Staten Island..lb. 1.42½- —
resubl., 5-lb. bots., jars.....lb. 2.10 - 2.20
Iodoform, 100-lb. dms., kgs....lb. 4.45 - —
Ionone, ketone, bot.....lb. 6.00 -14.00
Methyl, bot. .....lb. 6.25 -16.25
Ipecac root, bgs.....lb. 6.00 - 6.25
powd., bgs. .....lb. 6.25 - 6.50
Irish moss, bleached, prime...lb. .25 - .30
Iron acetate, liquor, bbls., c.l., dlvd..lb. .17 - —
l.c.l., dlvd. .....lb. .18 - —
solut., USP IX, 100-lb. cbys.lb. .17 - —
50-lb. dms. .....lb. .18 - —

40,300 man years of working together are the foundation of each grain of Mallinckrodt chemicals.

An astronomical number of man hours over four generations have expanded and improved Mallinckrodt research and production.

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40,300 years of experience *make Mallinckrodt Chemicals pure*

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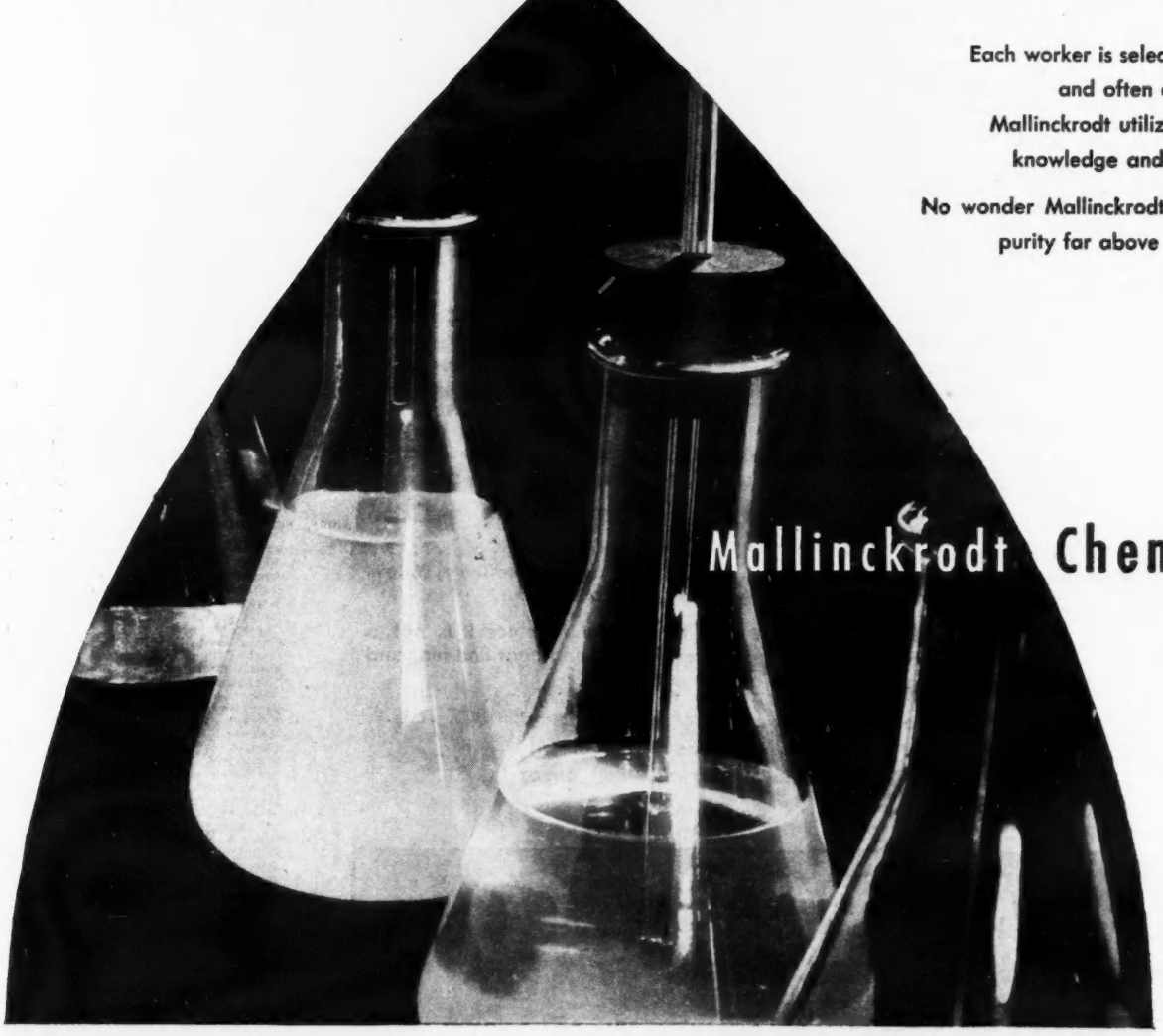
No wonder Mallinckrodt chemicals represent a degree of purity far above the accepted standards of "pure." No wonder everyone who wants the best specifies Mallinckrodt.



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CHICAGO
PHILADELPHIA
LOS ANGELES
MONTREAL

Iron chloride (ferric), anhydr., tech., dms., c.l., works, 100 lbs. 4.90 - 5.25
l.c.l., works .. .. - -
cryst., tech., bbls., works, frt alld..100 lbs. 4.00 - 6.00
USP X, lump, bbls.....lb .07 - .08½
solut., 42 Be, chys., works, frt. alld. or equald..lb. .05½- 06
djus., same basis.....lb. .10 -
Citrate, gran., dms.....lb. .72 - .74
Glycerophosphate, N.F., powd. lb. 4.25 - —
Hypophosphite, bbls., dms..lb. 1.50 - 1.62
Iodide, bots.....lb. 3.48 - 3.63
Naphthenate, 6% Fe, 50-gal. dms..lb. .16½- .17½
Nitrate, red, tech., dms.....lb. .05½- .06
Oxalate, gran., dms. .....lb. .26 - .28
powd., cns. .....lb. .42 - —
kgs. .....lb. .47 - .48
Phosphate, soluble, NF, gran., cs..lb. .84 - .87
Pyrophosphate, NF, gran., soluble, dms..lb. .59 - .62
Reduced, 96%, kgs.....lb. .68 - .70
Resinate, 7.4% Fe, 100-lb. dms. lb. .21 - —
Sulphate (ferric), anhyd., bgs., c.l., works..ton.35.00 - —
l.c.l., works .....ton.40.00 - —
partially hydrated bgs., c.l., works..ton.36.00 - —
(ferrous) tech. (see Copperas).
USP, cryst., bbls., dms..lb. .06 - .08
Tallate, 4% Fe, 50-gal. dms..lb. .10½- —
Iron-ammonia citrate, brown, green, gran., dms..lb. .40 - .43
Oxalate, bbls. .....lb. .29½- —
dms., kgs. .....lb. .30½- .32½
Iron-soda oxalate, bbls., dms.lb. .29½- .32½
Isobornyl acetate, cns., works.lb. .90 - .96
Isobornyl thiocyanoacetate, dms., c.l., works...gal. 4.25 - —
l.c.l., works .....gal. 4.45 - 4.65
tanks, works .....gal. 4.25 - —

Isobutyl acetate, cns.....lb. 1.10 - —
Propionate, cns. .....lb. No prices
Isoeugenol, extra cns.....lb. 3.75 - 4.25
Isopentane, dms., works.....lb. .45 - .55
Isophorone, dms., c.l., works..lb. .21 - —
l.c.l., works .....lb. .23 - —
tanks, works .....lb. .20 - —
Isopropanol (see Alcohol, Isopropyl).
Isopropyl acetate, dms., c.l., E. of Rockies, frt. alld..lb. .1100- —
l.c.l. E. of Rockies, same basis..lb. .1210- —
tanks, E. of Rockies, same basis..lb. .1100- —
Alcohol (see Alcohol, Isopropyl).
Ether, dms., c.l., dlvd.....lb. .06 - —
l.c.l. .....lb. .06½- —
tanks, dlvd. .....lb. .04½- —
Isopropylamine, dms., works..lb. .25 - —

J

Jaborandi leaves, bls.....lb. .26 - .28
Jalap root, NF, bls.....lb. .45 - .50
powd., bbls., bxs.....lb. .55 - .60
Resin, lump, cns.....lb. 5.50 - —
powd., bxs.....lb. 5.90 - —
Juniper berries, bgs.....lb. .18 - .20
Juniper tar, USP, dms.....lb. .80 - 1.00

K

Kamala, powd., cns.....lb. .40 - .45
Kaolin (see China clay).
Kava kava root, bls.....lb. .55 - .56
Kerosene, at refinery: Ark., 43-44 w.w., tanks..gal. .03 - —
Bayonne, 41-43, w.w., tanks.. gal. .021 - —
California, 40-43 w.w., tanks gal. .07 - —
Kerosene, at refinery, Gulf ports, 41-43 w.w., tanks..gal. .04½- .05
Okla.-Tex., 41-43 w.w., tanks. gal. .04375- —
Penn., 45 w.w., tanks....gal. .0355- .0775
47 w.w., tanks.....gal. .0705- —
Kola nuts, bgs.....lb. .10 - .11
Kyanite, imp., low iron content, 10-mesh, whse..ton.85.00 -90.00
calcined, grain, 10-mesh, whse. ton.95.00 -105.00

L

Ladyslipper root, bls.....lb. 1.25 - 1.40
Lanolin (see Adeps lanae).
Lard, cash, Chicago, tcs.....lb. .26 Nom.
Larkspur seed, bgs.....lb. .65 - .70
Laurel berries, bls.....lb. .25 - .26
Leaves, Cyprus, bls.....lb. .28 - .29
Greek, bls. .....lb. .21 - .22
Portuguese, futures, bls....lb. .15½- .16
good, bls. .....lb. .14½- .15¼
Turkish, bls.....lb. .15 - .15½
Lavender flowers, medium, bls.lb. .62 - .65
ordinary, bls. .....lb. .35 - .40
select, bls. .....lb. .65 - .70
Lead, acetate, white, broken, bbls..lb. .17 - —
cryst., bbls. .....lb. .17½- —
gran., powd., bbls.....lb. .17½- —
Arsenate, basic powder, 8-lb. bgs. or larger, c.l..lb. .20 - —
l.c.l. .....lb. .21 - .22
1-lb. bags, c.l. .....lb. .27½- —
l.c.l. .....lb. .28½- .29½
Lead arsenate prices are works or whse. basis, frt. alld. to dest. East.

Lead, blue, basic sulphate, bbls., c.l., 20-ton lots, dlvd. E..lb. .13¾- —
dlvd. Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo..lb. .14 - —
l.c.l., dlvd. E.....lb. .14 - —
dlvd. Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo..lb. .14½- —
Carbonate (see Lead, white).
Chloride, fib. dms.....lb. .49 - —
Iodide, NF V, jars.....lb. 2.94 - —
Linoleate, solid, 13%, bbls...lb. .41½- —
Metal,[5] (see Protective Coatings Materials market).
Metallic paste, dms., works..lb. No stocks
Naphthenate, 20% Pb, liquid, dms..lb. .18½- —
30% Pb, liquid, dms.....lb. .22½- —
37% Pb, solid, dms.....lb. .27½- —
Nitrate, bbls.....lb. .15¼- .15½
Oleate, bbls.....lb. .17¾- —
Peroxide, powd., tech., bbls.. lb. .23 - .26
Red, 95% Pb_3O_4, or less bbls., c.l. (20 tons), dlvd. Ala., Ariz., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Tex., Utah, Wyo., and E. of Cascade Mts. in Ore. and Wash..lb. .15¾- —
other points.....lb. .15½- —
l.c.l., 5 tons, dlvd. Ala., Cal., Fla., Ga., La., Miss., Tex., and W. of Cascade Mts. in Ore. and Wash..lb. .16¼- —
Ariz., Idaho, Nev., Utah, and E. of Cascade Mts. in Ore. and Wash..lb. .16¾- —
Colo., Mont., N. Mex., Wyo..lb. .16½- —
other points.....lb. .16¼- —
smaller lots, Ala., etc.lb. .16¾- —
Ariz., etc.....lb. .17¼- —
Colo., etc.....lb. .17 - —
other points.....lb. .16½- —
in oil, kgs.....lb. .23½- —
97% Pb_3O_4, bbls., c.l. (20 tons), dlvd., Ala., Ariz., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Tex., Utah, Wyo. and E. of Cascade Mts. in Wash. and Ore.lb. .16 - —
other points.....lb. .16½- —
l.c.l., 5 tons, dlvd. Ala., etc..lb. .17 - —
Ariz., etc.....lb. .16½- —
Colo., etc.....lb. .16¼- —
other points.....lb. .16½- —
smaller lots, dlvd. Ala. lb. .17 - —
Ariz., etc.....lb. .17½- —
Colo., etc.....lb. .17¼- —
other points.....lb. .16¾- —
98% Pb_3O_4, bbls., c.l. (20 tons), dlvd. Ala., etc.lb. .16¼- —
other points.....lb. .16 - —
l.c.l., 5 tons, dlvd. Ala., etc..lb. .16¾- —
Ariz., etc.....lb. .17¼- —
Colo., etc.....lb. .17 - —
other points.....lb. .16½- —
smaller lots, dlvd. Ala., etc..lb. .17¼- —
Ariz., etc.....lb. .17¾- —
Colo., etc.....lb. .17½- —
other points.....lb. .16¾- —
Resinate, precip., 23.8% Pb, dms..lb. .22½- —
Silicate, bgs.....lb. .15 - .15½
Soyate, 20.15% Pb., dms.....lb. .22¼- —
Stearate, bbls.....lb. .34½- .36½
Sulphate (see Lead, blue; Lead, white, basic sulphate).
Tallate, 10% Pb, dms.....lb. .10 - .11
Titanate, bgs., bbls., c.l., l.c.l., 6 tons, one delivery, E. frt. alld..lb. .11¼- —
Pac. Cst., ex whse....lb. .11½- —
smaller lots, E. frt. alld. lb. .11½- —
Pac. Cst., ex whse..lb. .11¾- —
White, basic carbonate, bbls., c.l., dlvd. Ariz., Calif., Colo., Idaho, Mont., Nev., N. Mex., Ore., Utah, Wash., and Wyo. lb. .14½- —
dlvd. other points....lb. .14¼- —
l.c.l., dlvd. Ariz., etc....lb. .14¾- —
other points.....lb. .14½- —
basic sulphate, bbls., c.l., dlvd. Ariz., etc..lb. .13¾- —
other points.....lb. .14 - —
l.c.l., dlvd. Ariz., etc....lb. .14 - —
other points.....lb. .13¾- —
in oil, consumers, kgs....lb. .23¾- —
painters, kgs.....lb. .22½- —
Lecithin, edible, dms., c.l.....lb. .36 - —
l.c.l. .....lb. .38½- .58½
tech., dms., c.l.....lb. .36 - —
l.c.l. .....lb. .38½- .58½
Lemon peel, bls.....lb. .35 - .42
Licorice extract, mass, cns....lb. .40 - .43
powd., bbls.....lb. .60 - .62
Root, natural, bls.....lb. .12 - .14
powd., bbls.....lb. .18 - .20
5-lb. bundles, cs.....lb. .05 - .06
Lignin extract, tanning grade, bgs., c.l., works..lb. .04 - —
Lime, agricultural, bulk, works. ton. 9.00 - 9.50
Chemical (quicklime), lump, pebble, Adams, Mass..ton. 9.00 - —
Annville, Pa.....ton. 8.50 - —
Bellefonte, Pa.....ton. 8.50 - —
Berkeley, W. Va....ton. 8.50 - —
Buffalo, N. Y.....ton.10.25 - —
Carey, Ohio.....ton. 7.00 - —
Cedar Hollow, Pa....ton. 9.00 - —
Crab Orchard, Tenn.ton. 7.90 - —
Eagle Mountain, Va.ton. 8.50 - —
Farnams, Mass.....ton. 9.00 - —
Gibsonburg, Ohio....ton. 7.50 - —
Hannibal, Mo.....ton. 7.50 - —
Keystone, Ala.....ton. 7.90 - —
Knoxville, Tenn.....ton. 7.90 - —
Limedale, Ark.....ton. 8.00 - —
Longview, Ala.....ton. 7.90 - —
Manistique, Mich....ton. 8.00 - —
Marblehead, Ohio....ton. 8.50 - —
Martinsburg, W. Va.ton. 8.50 - —
Menominee, Mich....ton. 8.00 - —
Mitchell, Ind.....ton. 7.50 - —
Nawala, Ala.....ton. 7.90 - —
Rippleemead, Va.....ton. 8.50 - —
Riverton, Va.....ton. 8.50 - —
Rockland, Maine.....ton. 8.00 - —
Scioto, Ohio.....ton. 8.50 - —
Sherwood, Texas.....ton. 7.90 - —
Sherwood, Wisc.....ton. 8.50 - —
Springfield, Mo.....ton. 8.00 - —
Woodville, Ohio.....ton. 8.50 - —
York, Pa.....ton. 8.50 - —
Hydrated, paper bgs., Adams, Mass..ton.10.00 - —
Annville, Pa.....ton.10.00 - —
Bellefonte, Pa.....ton.10.00 - —
Berkeley, W. Va.....ton.10.00 - —
Buffalo, N. Y.....ton.10.50 - —
Carey, Ohio.....ton. 8.50 - —
Cedar Hollow, Pa....ton.10.00 - —
Crab Orchard, Tenn..ton.10.65 - —
Eagle Mountain, Va.ton.10.00 - —
Farnams, Mass.....ton.10.00 - —
Gibsonburg, Ohio....ton. 9.50 - —
Hannibal, Mo.....ton. 9.50 - —
Keystone, Ala.....ton.11.65 - —
Knoxville, Tenn.....ton.10.65 - —

MALMSTROM · WOOL FAT & LANOLIN · NIMCO BRAND

IT'S

SCENTsational

BECAUSE IT'S

ODORLESS!

MALMSTROM *New Cosmetic Grade* LANOLIN

In the new non-darkening PALE COLOR

To manufacturers of perfumed Lipsticks, Creams, Ointments, and Lotions the new MALMSTROM *ODORLESS* Lanolin marks a new advancement in the manufacture of perfumed cosmetics. This revolutionary new type of Lanolin eliminates the need for masking the objectional odor of common wool fat. Equally important is the new non-darkening PALE COLOR which will give your products sales creating eye-appeal.

MALMSTROM'S *ODORLESS* Lanolin will help to simplify your manufacturing processes. Also, it will give your perfumed cosmetics definite sales advantages by—

- Increasing their emollient properties. Promoting a smooth, creamy rich appearance and a homogeneous mixture.
- Not darkening your preparations.
- Reducing the irritation of sensitive skins. Acting as a skin softener, relieving dry skin conditions.
- Not turning rancid since it is not a glyceride. Resisting heat and sun, and being stable.

Start now to improve the quality of your perfumed cosmetics; let us show you how to use the new MALMSTROM ODORLESS Lanolin. Samples and prices upon request.

SALES AGENTS—
FULLER ASSOCIATES
Cleveland 14, Ohio
COMMERCIAL CHEMICALS, INC.
Buffalo, N. Y.
E. K. MASKEL
Detroit, Michigan
GRIFFIN CHEMICAL CO.
San Francisco, Calif.
Los Angeles, Calif.

N. I. MALMSTROM & CO.
America's Largest Processor of Wool Fat & Lanolin
147 LOMBARDY STREET, BROOKLYN 22, NEW YORK
30 W. WASHINGTON STREET, CHICAGO 2, ILLINOIS
Office and Warehouse

Lime, hydrated, LeRoy, Minn.ton 10.00 - —
Limedale, Ark.....ton 10.00 - —
Longview, Ala.....ton 11.05 - —
Manistique, Mich....ton 9.50 - —
Marblehead, Ohio....ton 10.50 - —
Martinsburg, W. Va.ton 8.50 - —
Mitchell, Ind.....ton 10.00 - —
Newala, Ala.....ton 11.05 - —
Petoskey, Mich.....ton 10.00 - —
Port Island, Mich....ton 9.00 - —
Rapid City, S. Dak.ton 13.00 - —
Ripplemead, Va.....ton 10.00 - —
Rockland, Maine.....ton 9.00 - —
Scioto, Ohio.....ton 8.00 - —
Sherwood, Tenn.....ton 11.05 - —
Sherwood, Wisc.....ton 10.00 - —
Springfield, Mo.....ton 9.00 - —
Woodville, Ohio.....ton 8.50 - —
York, Pa.....ton 10.00 - —
Hydrated, Adams, Mass., paper bgs..ton 10.00 - —
Annville, Pa.....ton 10.00 - —
Bellefonte, Pa.....ton 10.00 - —
Carey, Ohio.....ton 11.00 - —
Farnams, Mass.....ton 9.50 - —
Gibsonburg, Ohio....ton 10.00 - —
Marblehead, Ohio....ton 10.00 - —
Rockland, Maine.....ton 10.00 - —
Scioto, Ohio.....ton 10.00 - —
Woodville, Ohio.....ton 10.00 - —
York, Pa.....ton 10.00 - —
Lime salts (see Calcium).
Lime-ammonia-nitrogen* 20.5% N. (see Ammonia nitrate-lime-stone).
Limestone, ground, bulk, works. ton 1.40 - —
Linalool .....lb. 7.25 - 7.60
Linalyl acetate, ex bois de rose, bots..lb. 6.50 - —
ex lignalce wood, bots.....lb. 7.75 - 8.40
ex petitgrain, bots.....lb. 5.15 - 6.00
Linden flowers with leaves, bls. lb. .40 - .42
without leaves, bls.....lb. .65 - .70
Linseed meal, 34%, bulk, mills. ton 30.00 - —
Litharge, com'l, powd., bbls., c.l., dlvd. Ala., Ariz., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Tex., Utah, Wyo. and E. of Cascade Mts. in Ore. and Wash..lb. .14½- —
other points.....lb. .14½- —
l.c.l., 5 tons, dlvd., Ala., Cal., Fla., Ga., La., Miss., Tex., and W. of Cascade Mts. in Ore. and Wash..lb. .15 - —
Ariz., Idaho, Nev., Utah, and E. of Cascade Mts. in Ore. and Wash..lb. .15½- —
Colo., Mont., N. Mex., Wyo..lb. .15¼- —
other points.....lb. .15 - —
smaller lots, dlvd. Ala., etc..lb. .15½- —
Ariz., etc.....lb. .16¼- —
Colo., etc.....lb. .16 - —
other points.....lb. .15¼- —
Lithium bromide, bbls., 100-lb. lots, works, frt. equald..lb. 1.00 - —
Carbonate, NF, bbls., kgs...lb. 1.15 - —
Chloride, jars .....lb. 1.15 - 1.65
Citrate, bbls., dms., kgs....lb. 1.30 - 1.45
Fluoride, bbls. .....lb. 1.00 - —
Hydroxide, jars .....lb. 1.15 - 1.65
Lithopone, ordinary, bgs., c.l. (20 tons)..lb. .05½- —
l.c.l. .....lb. .05¾- —
bbls., c.l.....lb. .05¾- —
l.c.l. .....lb. .06 - —
Titanated (high-strength), bgs. lb. .07¼- —
smaller lots.....lb. .07½- —
bbls., c.l.....lb. .07½- —
smaller lots.....lb. .07¾- —
Lithopone, c.l., dlvd. Pac. Cst., ¼c. higher; l.c.l., ex whse. Pac. Cst. ¼c. higher.
Liverwort leaves, bls.....lb. .70 - .75
Lobelia herb, bls.....lb. .80 - .85
Lobeline sulphate, bots., wks.oz. 25.50 -26.00
Logwood extract, crystals, No. 1. bbls., l.c.l..lb. .24 - —
No. 2, bbls., l.c.l.....lb. .23 - —
liquid, No. 1, bbls., c.l....lb. .17 - —
No. 2, bbls., l.c.l.....lb. .16 - —
No. 3, bbls., l.c.l.....lb. .15½- —
No. 4, bbls., l.c.l .....lb. .15 - —
solid, No. 1, bxs., l.c.l.....lb. .20 - —
No. 2, bxs., l.c.l.....lb. .20 - —
bbls., c.l., Zone 1.....lb. .09¾- —
No. 4, bxs., l.c.l.....lb. .22 - —
No. 4, bgs., l.c.l.....lb. .22¼- —
No 5, bxs., l.c.l.....lb. .21½- —
No. 6, bxs., l.c.l.....lb. .20¼- .44½
Lovage root, American (ligusticum actae folium), bbls .lb 1.20 - 1.50
Lupulin, NF, tin.....lb. 10.00 -11.00
Lycopodium, USP, cs.....lb. 2.50 - 3.00

M

Mace, Banda, cs.....lb. No stocks
West Indian, bgs., futures...lb. 1.60 - 1.70
Broken, bgs., futures.....lb. 1.30 - 1.40
Madder Dutch, bbls. .....lb. .24 - .30
Magnesia arsenate,* 4ms.. lb. .183 - .19
Calcined, tech., bbls., works, lb. .29 - —
USP, works.....lb. .31 - .33
Carbonate, tech., bgs., c.l., frt. equald..lb. .07¼- —
l.c.l., frt. alld.....lb. .08¼- —
bbls., c.l., frt. equald.....lb. .08½- —
l.c.l., frt. alld.....lb. .09½- —
kgs., c.l., frt. equald.....lb. .09¾- —
l.c.l., frt. alld.....lb. .10¾- —
USP, bgs., c.l., frt. equald. lb. .09 - —
l.c.l., frt. alld.....lb. .10 - —
bbls., c.l., frt. equald.....lb. .09½- —
l.c.l., frt. alld.....lb. .10½- —
kgs., c.l., frt. equald.....lb. .10¾- —
l.c.l., frt. alld.....lb. .11¾- —
Magnesia carbonate is quoted frt. alld. to N. J. except to Atlanta, Burlington, Cape May, Cumberland, Glostershire, Ocean, and Salem counties; and to Phila. county, Pa. Frt. equald. to N.Y.C. on all other destinations.
Chloride, anhyd., bbls., dlvd..lb. .12¾- —
flake, bbls., c.l., works..ton 37.00 - —
l.c.l., works .....ton 44.00 -46.00
Fluoride, bbls. .....lb. .20 - .23
Hydroxide, medicinal, bbls. dms., kgs..lb. .22 - .30
Hypophosphite, cns.....lb. 1.45 - —
Laurate, bbls.....lb. .23 - .30
Oxide (see Magnesia, calcined).
Peroxide, 15%, dms., works .lb 1.00 - 1.07
Phosphate, tribasic, USP, bbls. lb. .62 - .67
Silicate (see Talc).
Silicofluoride, bbls.....lb. .06 - .09
Stearate, ctns., 2,000 lbs. to c.l. lb. .50 - —
smaller lots .....lb .51 - .57
Sulphate (see Epsom salt).
Trisilicate, dms., 1,000-lb. contracts..lb. .17 - —
smaller lots.....lb. .43 - —
Magnesite, cal., powd., bgs., c.l., mines, Calif..ton 58.75 - —
dead-burnt, bulk, c.l., Chewelah, Wash .ton 23.00 -32.00
Maleic anhydride, dms., c.l....lb. .25 - —
l.c.l. .....lb. .28 - —

Malva flowers, black, bls.....lb. No stocks
blue, bls.....lb. 1.55 - 1.65
Leaves, bls.....lb. .40 - .41
Manaca root, bls.....lb. .45 - .50
Mandrake root, bls.....lb. .40 - .45
Manganese acetate, dms.....lb. .23½- —
Arsenate, bgs.....lb. .12 - .12¼
Borate, tech., bbls.....lb. .16 - .17
Carbonate, bbls.....lb. .19 - —
Chloride, anhyd., bbls., wks.lb. .14 - .16
Dioxide, African, battery, 84%-87%, bbls., 25-40 tons, works..ton 74.00 - —
smaller lots, works..ton 77.00 -82.00
84-87%, burlap bgs., c.l., works..ton 71.75 - —
l.c.l., works.....ton 74.75 -79.75
paper bgs., c.l., works.ton 70.00 - —
l.c.l., works.....ton 73.00 - —
Glycerophosphate, fib. dms..lb. 4.35 - —
Hydrate, bbls., dlvd.....lb. .20 - —
Iodide, bots.....lb. 5.70 - —
jars .....lb. 5.55 - —
Linoleate, liquid, 4%, dms...lb. .43½- —
solid, precip., 8.3%, bbls..lb. .44¾- —
Naphthenate, 6% Mn, liquid, dms..lb. .19¼- —
10% Mn, solid, dms.....lb. .29¼- —
Resinate, fused, 8½%, bbls..lb. .09 - .10¼
precip., dms. .....lb. .19 - —
Soyate, 8.2% Mn, dms.....lb. .22 - —
Sulphate, anhyd., dms., works. lb. No stocks
feed grade, 77-80%, bgs....lb. .04 - .05
fertilizer grade, 65%, bgs., c.l., dlvd. East..ton 56.00 - —
l.c.l., same basis, or Balto. or Cincinnati... ton 63.00 - —
industrial grade, 80%, bgs.lb. .05 - .05½
75%, bgs., c.l., dlvd. East. ton 64.50 - —
l.c.l., same basis.....ton 71.50 - —
Taliate 4% Mn, dms. ...lb. .19¼- .11½

Mangrove bark, E. Africa, 38% tannin, c.l., ex dock, U. S. ports..ton 58.00 -61.00
Manna, flake, large, cs.....lb. 1.50 - 1.55
small, cs.....lb. No stocks
Mannitol, com'l, bbls., works..lb. .38 .43
reagent, cs. or multiples, works..lb. .85 - —
Marjoram, Argentine, bls.....lb. .14 Nom.
California, French type, new crop, bls., Pacific Coast.lb. .35 - .38
Chilean, bls.....lb. .11 - .11½
Matico leaves, bls.....lb. .15 - .18
Menadione, USP, bots., works, gram. .10 - —
Menthol, natural, USP, Brazilian, cns..lb. 7.00 - 7.25
synthetic, tech., cns.....lb. No prices.
USP, laevo, cns.....lb. No prices.
racemic, cns. .....lb. 6.10 - 6.30
Menthyl salicylate, tins.....lb. 5.00 - 5.10
Mercurial ointment, USP, mild, 10%, dms..lb. .70 - .72
strong, dms.....lb. 1.85 - 1.90
Mercury bichloride (see Corrosive sublimate).
Bisulphate, dms. .....lb. 2.00 - 2.01
Chloride (see Calomel).
Cyanide, cryst., powd.....lb. 2.35 - —
Iodide, red, NF, dms.....lb. 4.50 - —
yellow, NF, fib. dms.....lb. 4.00 - —
Oxide, red, NF (see Red precipitate).
yellow, USP, fib. dms.....lb. 2.94 - 2.96
tech. (see Yellow, mercury oxide).
Mesityl oxide, dms., c.l., dlvd..lb. .11¼- —
l.c.l., dlvd. .....lb. .12 - —
tanks, dlvd. .....lb. .10¼- —
Metal leaf, composition, 5½x5½ in., pkg. No stocks
Gold X+, deep, 23, 3½x3½ in., pkg. No stocks
Silver, 3½x3½ in.....pkg. No stocks
Metanitroparatoluidin, bbls....lb. 1.14 - 1.17

Metaphenylenediamine, kgs....lb. .73 - —
Metatoluylenediamine, kgs.....lb. .77 - —
Methanol, natural, Group A, all grades, dms. extra, c.l., E. of Miss. R..gal. .63 - —
l.c.l., same basis.....gal. .73 - —
tanks, same basis.....gal. .60 - —
Group B, all grades, dms., incl. c.l. frt. alld..gal. .67 - —
l.c.l., same basis.....gal. .73 - —
tanks, same basis.....gal. .60 - —
Prices on natural methanol W. of Miss. R., 2c. higher.
synth., dms., c.l., Zone 1, frt. alld..gal. .51 - —
2, frt. alld. or dlvd....gal. .54 - —
3, frt. alld.....gal. .56 - —
4, frt. alld.....gal. .58 - —
l.c.l., Zone 1, frt. alld. or dlvd..gal. .58 - —
2, frt. alld. .....gal. .48 - —
3, dlvd. S. F. and L. A. gal. .41 - —
4, frt. alld. or dlvd...gal. .51½- —
tanks, Zone 1, frt. alld....gal. .24 - —
2, frt. alld.....gal. .27 - —
3, frt. alld.....gal. .29 - —
4, frt. alld.....gal. .39 - —
Synthetic methanol zones are:—Zone 1—Conn., Del., D. C., Ill., Ind., Ia., Ky., Me., Md., Mass., Mich., Minn., Mo., Neb., N. H., N. J., N. Y., N. C., O., Pa., R. I., S. C., Tenn., Vt., Va., W. Va., and Wis. Zone 2—Ala., Ark., Col., Fla., Ga., Kan., La., Miss., N. Mex., N. Dak., Okla., S. Dak., Tex., and Wyo. Zone 3—Los Angeles and San Francisco. Zone 4—Ariz., Calif. (with exception of Los Angeles and San Francisco), Ida., Mont., Nev., Ore., Utah, and Wash. Buyers in zone 4 have the option of buying at the delivered zone 4 price or at the zone 3 price, f.o.b. Los Angeles and San Francisco.

What other Pigment can make this Statement...?

White Lead Adds

MORE

of the Properties that make Good Paint

Quality speaks for itself.

That's true of your house paint.

And it's true of our Basic Carbonate White Lead.

But there's no need to tell you how good White Lead *itself* is . . .

What's more important to you is that White Lead also makes paint good. And makes good paint easy to make.

In fact you get 14 paint-making properties when you include this one pigment in your formulations.

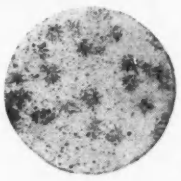
Check the list above. Basic Carbonate White Lead not only offers all 14, but imparts them to paints in well-balanced proportion.

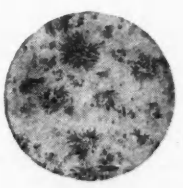
* * *

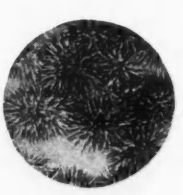
Many of these paint-making benefits stem directly from White Lead's unique ability to form lead "soaps." The "soap" story at the right tells you why.

* * *

Our technical staff is at your service to help you fit "Dutch Boy" Basic Carbonate White Leads into your formulations. Their recommendations are backed up by broad experience and 30 years of continuous paint fence testing—the longest project of its kind on record.







L.S.M.F.P.

Lead Soaps Mean Fine Paint

White Lead combines with oil to produce a distinctive type of "soap" formation, with a fibrous structure consisting of multiple projections radiating from a central core.

The photomicrographs at the left show how the soaps progressively spread out as they grow and thus mechanically re-inforce the paint film, giving it greater toughness and weather resistance.

It is also characteristic of lead "soaps" that they allow movement all along their intermeshing projections. This action helps improve both elasticity and adhesion.

The tendency of White Lead to react with linseed oil also explains why this pigment wets easily and thus mixes and grinds well.

NATIONAL LEAD COMPANY—New York 6; Buffalo 3; Chicago 8; Cincinnati 3; Cleveland 13; St. Louis 1; San Francisco 10; Boston 6, (National Lead Co. of Mass.); Philadelphia 7, (John T. Lewis & Bros. Co.); Pittsburgh 30, (National Lead Co. of Pa.).

Dutch Boy *Basic Carbonate* **White Leads**

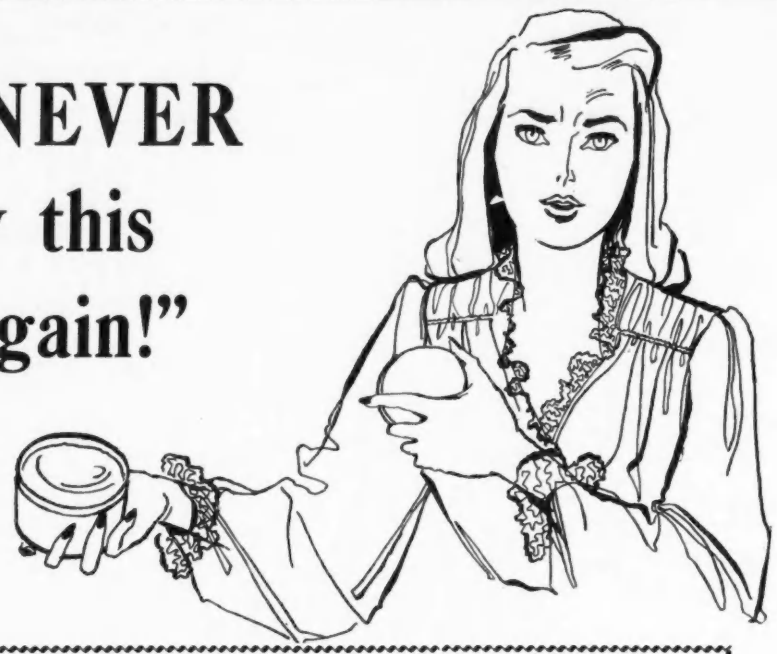
Reg. U. S. Pat. Off.

Methyl abietate, neo-ret, dms., c.l., divd.	lb.	.16 - —
10 dms.	lb.	.16½- —
1-9 dms.	lb.	.17 - —
hydrogenated, c.l., divd.	lb.	.17¼- —
10 dms., divd.	lb.	.17¾- —
1-9 dms., divd.	lb.	.18½- —
Acetate, CP, 97-99%, dms., c.l., E. of Miss.	lb.	.19½- .12
W. of Miss.	lb.	.11½- .12
l.c.l., E. of Miss.	lb.	.11 - .14
W. of Miss.	lb.	.12 - .13½
tanks, E. of Miss.	lb.	.09½- —
W. of Miss.	lb.	.10½- —
tech., dms., c.l., E. of Miss.	lb.	.07 - .09
W. of Miss.	lb.	.08 - —
l.c.l., E. of Miss.	lb.	.07½- .11
W. of Miss.	lb.	.08½- .10½
tanks, E. of Miss.	lb.	.06 - —
W. of Miss.	lb.	.07 - —
Acetoacetate, dms., c.l., works, frt. alld.	lb.	.80½- —
Acetone, natural, Group A, dms., extra, c.l., E. of Miss., frt. alld.	gal.	.66 - —
l.c.l., same basis	gal.	.76 - —
tanks, same basis	gal.	.60 - —
Natural methyl acetone prices W. of Miss. R., 3c. per gal. higher.		
Group B, dms. incl., c.l., E. Miss., frt. alld.	gal.	.67 - —
l.c.l., same basis	gal.	.73 - —
tanks, same basis	gal.	.60 - —
synthetic, dms., c.l., works, frt. alld. E.	lb.	.49 - —
frt. alld. W.	lb.	.51½- —
l.c.l., works, frt. alld. E.	lb.	.53 - —
frt. alld. W.	lb.	.55½- —
Methyl acetone, synthetic, tanks, works, frt. alld. E.	lb.	.42½- —
frtfl alld. W.	lb.	.44½- —
Methyl acetone, synth. East territory is all states East of and including Colo., Mont., N. Mex. and Wyo. West territory, all states West of Colo., Mont., N. Mex. and Wyo.		
Alcohol (see Methanol).		
Anthranilate, dms.	lb.	1.80 - —
bots., cns.	lb.	2.20 - 2.80
Benzoate, cns.	lb.	.48 - 1.20
Bromide, cns.	lb.	.68 - .85
cyls.	lb.	.86 - .70
Chloride, indust. grade, cyl., works	lb.	.16 - —
tanks, multi-unit, works	lb.	.14¾- —
single-unit, works	lb.	.14 - —
refrigeration grade, indust. consumers, refrigeration machinery mfgrs., cylinders, divd.	lb.	.33 - —
retail refrigeration consumers or service men, cylinders, divd.	lb.	.41 - —
Alcohol (see Methanol).		
Cinnamate, cns.	lb.	2.00 - 2.50
Formate, dms.	lb.	.80 - —
Iodide, bots.	lb.	4.00 - 4.15
Lactate, dms., c.l., divd.	lb.	No stocks
Oleate, dms., c.l.	lb.	No prices
Salicylate, dms., 500 lbs.	lb.	.35 - —
25-50 lbs.	lb.	.37 - .38
Methylamyl ketone, cns., dms., works	lb.	No stocks
Methylcellulose, special, vis. (4,000 cps.) fib. ctns., 2,000 lbs. or more, frt. alld.	lb.	.60 - —
smaller lots, frt. alld.	lb.	.65 - .70
standard vis. (15-1,500 cps.), fib. ctns., 2,000 lbs. or more, frt. alld.	lb.	.52 - —
smaller lots, frt. alld.	lb.	.56 - .62
Methylcyclohexane, 98-100%, dms., works	lb.	.16 - —
Methylcyclohexanol, 98-100%, dms. works	lb.	.28 - —
Methylcyclohexanone, 98-100%, dms., works	lb.	No stocks
Methylene blue, USP, 100-lb. lots, kgs., frt. equald.	lb.	2.20 - —
50-lb. lots, bgs., same basis	lb.	2.60- —
25-lb. lots, kgs., same basis	lb.	2.85 - —
Chloride, refrig., dms., wks.	lb.	.18 - .22
solvent, dms., works	lb.	.12 - .15
Methyleneanilin, lbs., ton lots, min. frt. alld.	lb.	.36 - —
smaller lots, same basis	lb.	.37 - —
Methylethyl ketone, dms., divd.	lb.	.0960- —
l.c.l., divd.	lb.	.1010- —
tanks, divd.	lb.	.0900- —
Methylhexyl ketone, dms., tech., works	lb.	.60 - —
Methylisobutyl carbinol (see Carbinol, methylisobutyl).		
Methylisobutyl ketone, dms., c.l., divd.	lb.	.11½- —
l.c.l., divd.	lb.	.12 - —
tanks, divd.	lb.	.10½- —
Methylnaphthyl ketone, cns.	lb.	3.00 - 4.00
Methylpentanediol, dms., works	lb.	.16 - —
l.c.l., works	lb.	.16½- —
1 and 5-gal. cont., works	lb.	.20½- .23½
tanks, works	lb.	.15 - —
Mica, dry-grd., paint, plastic, 100 mesh, bgs., c.l., works.	ton.	47.50 - —
l.c.l., works	ton.	51.00 - —
roofing, 20 to 80 mesh, works.	ton.	50.00 -60.00
graphite, bulk, Pa., mines.	ton.	30.00 - —
wet-grd., biotite, bgs., c.l., works frt. alld. E.	lb.	.05 - —
l.c.l., ex whse., or frt. alld. E.	lb.	.05½- —
extra fine, bgs., c.l., works, frt. alld. E.	lb.	.05½- —
l.c.l., ex whse. or frt. alld. E.	lb.	.06¾- —
paint or lacq., bgs., c.l., works, frt. alld. E.	lb.	.06 - —
l.c.l., ex whse. or frt. alld. E.	lb.	.06½- —
rubber, bgs., c.l., works, frt. alld. E.	lb.	.05¾- —
l.c.l., ex whse. or frt. alld. E.	lb.	.06¼- —
wallpaper, bgs., c.l., works, frt. alld. E.	lb.	.06 - —
l.c.l., ex whse. or frt. alld. E.	lb.	.06½- —
white, extra fine, bgs., c.l., works, frt. alld. E.	lb.	.06½- —
l.c.l., ex whse. or frt. alld. E.	lb.	.07 - —
Mica, wet-grd., W. of Miss. R., ½c. higher; W. of Rockies, ¾c. higher.		
Milk powder, skimmed, roller, bulk, c.l.	lb.	.15½- .17½
spray, bulk, c.l.	lb.	.15¾- .17½
whole, roller, bbls., c.l.	lb.	.40 - .41
spray, bbls., c.l.	lb.	.41 - .42
Milk sugar, bbls., c.l., works	lb.	.26 - —
l.c.l., works	lb.	.26¾- .27½
Mineral spirits (see Petroleum, mineral spirits).		
Molasses, blackstrap, tanks, works, Area 1.	gal.	.19 - —
Area 2.	gal.	.18½- —
Area 3.	ton.	26.00 - —
Area 4.	ton.	29.00 - —
Area 5.	ton.	34.60 - —
Area 1, Fla., Ga., La., Tex.; Area 2, Mass., Md., N. J., N. Y.; Area 3, Calif.; Area 4, Colo., Idaho, Kan., Mont., Neb. (excepting Grand Island), S. D., Utah, Ore., Wash., Wyo.; Area 5, Ia., Md., Mich., Minn., Grand Island, Neb., Ohio, Wis.		
Molybdate orange (see Orange, molybdate).		
Molybdenum metal,[6] kgs., 90% powd.	lb.	2.50 - 3.00
Trioxide,[6] pure, kgs., works, basis Mo. content	lb.	.95 - —
technical, kgs., works, basis Mo. content	lb.	.80 - —
Monoamylamine, dms., c.l., works, basis 100%	lb.	.61 - —
l.c.l., works, basis 100%	lb.	.64 - —
Monochlorobenzene, dms., c.l., works, frt. equalized with comp. points	lb.	.06 - .06½
l.c.l., works	lb.	.06½- .07½
tanks, works, frt. equalized with comp. points	lb.	.05½- —
smaller containers, works	lb.	.09 - .10
Monoethanolamine, dms., c.l., frt. alld. E.	lb.	.24 - —
l.c.l., same basis	lb.	.25 - —
tanks, same basis	lb.	.23 - —
Monoethylamine, dms., c.l., works, basis 100%	lb.	.17 - —
l.c.l., works, basis 100%	lb.	.18 - —
tanks, 100% basis, works	lb.	.15 - —
Monomethylamine, anhydrous, cyl., works, frt. alld. E. of Miss. 100% basis	lb.	.32½- —
solution, dms., works, frt. alld. E. of Miss., 100% basis.	lb.	.37 - .42½
tanks, same basis	lb.	.32 - —
Monomethylpara-aminophenol sulphate, dms.	lb.	2.40 - 2.90
Monosodium phosphate (see Soda phosphate, monobasic).		
Morphine, bots., 5 ozs.	oz.	11.10 - —
cns., 25 ozs.	oz.	10.90 - —
Acetate, bots., 5 ozs.	oz.	9.00 - —
cns., 25 ozs.	oz.	8.80 - —
Hydrobromine, 5 ozs.	oz.	8.95 - —
cns., 25 ozs.	oz.	8.70 - —
Hydrochloride, bots., 5 ozs.	oz.	9.00 - —
cns., 25 ozs.	oz.	8.75 - —
Sulphate, bots., 5 ozs.	oz.	9.00 - —
cns., 25 ozs.	oz.	8.75 - —
Morpholine, dms., l.c.l., works,	lb.	.67 - —
smaller containers, works	lb.	.75 - —
Mullein leaves, cns.	lb.	.12 - .18
Musk, nat., Tonquin, grains, bots.,	oz.	55.00 -60.00
synthetic, ambrette, cns., 100 lbs. or more	lb.	4.60 -12.00
25 lbs.	lb.	4.70 -12.10
5 lbs.	lb.	4.85 -12.30
ketone, cns., 100 lbs. or more	lb.	4.15 - 9.25
25 lbs.	lb.	4.25 - 9.35
5 lbs.	lb.	4.40 - 9.70
xylol, cns.	lb.	1.60 - 2.00
25 lbs.	lb.	1.70 - 2.00
5 lbs.	lb.	1.85 - 2.00
Muskroot, bls.	lb.	No prices
Mustard seed, Calif., Brown, bgs.	lb.	.16 - .16½
yellow, bgs.	lb.	.21 Nom.
Danish, yellow, bgs.	lb.	.20½- .21
Dutch, yellow, bgs.	lb.	.22½- .23
Montana, brown, bgs.	lb.	.16 - .16½
oriental, bgs.	lb.	.11 - .11½
futures, f.o.b. source	lb.	.06½- .09
yellow, bgs.	lb.	No prices
futures, f.o.b. source	lb.	.18½- .19
Washington, yellow, bgs.	lb.	No prices
Myrobalans, whole, J1, U. S. ports, ex dock	ton.	44.00 -46.00
J2, same basis	ton.	40.00 -42.00

N

Naphtha, painters (see Petroleum naphtha, V. M. & P.).		
Solvent (see S).		
Naphthalene, dom., crude, 74°, bgs., c.l., frt. equald.	lb.	— - —
bbls., c.l., same basis	lb.	— - —
tanks, same basis	lb.	.038 - —
76°, bgs., c.l., same basis.	lb.	— - —
bbls., c.l., same basis	lb.	.0410- —
tanks, same basis	lb.	.0375- —
refined, balls, flakes, bbls., wholesalers and jobbers, c.l., works	lb.	.09½- —
50-lb. cs., same basis	lb.	.09¾- —
1-lb. pkgs., same basis	lb.	.11 - —
Neocinchophen, USP, dms., works.	lb.	7.00 - 7.10
Nepheline syenite, glass grade, 24 mesh, bulk, Rochester, N. Y.	ton.	13.75 - —
pottery grade, 200 mesh, bulk, Rochester, N. Y.	ton.	17.25 - —
Nepheline syenite in bgs. is $3 per ton higher than bulk.		

"I'll NEVER buy this again!"



Women are critical. They just don't like *products that "settle out" or have a watery or curdled appearance. Give yours an even and* lasting *distribution of color and body with Kraystay*

Don't underestimate the value of a *good* stabilizer. If it stops separation, curdling or "settling out," it may be as important as the most costly ingredient.

Many alert manufacturers are now improving their products with Kraystay. This remarkable vegetable stabilizer gives many products an even and *lasting* distribution of color and body.

Used in varying proportions, Kraystay has unusual stabilizing, emulsifying, thickening, suspending and gelling properties. It is adaptable for use in cream lotions, hand lotions, toothpaste, cosmetics, pharmaceuticals, foods, and many other products of medium or low acidity.

Find out more about Kraystay. Call or write today stating the nature of your product. Or, if you wish to submit your formula, Kraft technicians will be glad to assist you in the application of Kraystay to it. Kraft Foods Company, Dept. Y-9, 500 Peshtigo Court, Chicago 90, Illinois.

FROM TINY FRONDS OF CARRAGEEN (edible Irish moss) gathered from the cold ocean floor,

Kraft extracts a clear, pure vegetable gelose for use in the manufacture of Kraystay. Modern scientific laboratory control insures the uniform high quality of this consistently efficient stabilizer.

KRAYSTAY

MADE BY KRAFT

A NEW DEVELOPMENT IN VEGETABLE STABILIZERS

A FRANK STATEMENT

OF WHY AMERICAN CAN COMPANY MUST ALLOCATE METAL CONTAINERS

★

Steel for plate making still in short supply. As Government relaxes control on uses of steel, Canco must allocate its output to protect you.

★

WHEN THE Government removed its restrictions on steel for plate making, it became necessary for American Can Company to step in and set up its own system of allocation . . .

. . . despite the fact that Canco has adequate production facilities.

Now, why was this move necessary?

It's a matter of steel. Steel for making plate. The steel plate from which all types of cans and containers and other metal packages are made.

For all types of steel are still in short supply! There just isn't enough of it to fill *all* the needs of *everybody*.

So, it seemed to us that the only fair thing to do was to see to it that every one of our customers got his just and proper share of steel plate . . . the little fellow . . . the big fellow . . . and all those users of steel plate in between . . . all on the same basis.

And until this situation eases, we are continuing our policy of accepting no new business.

Your Canco salesman is prepared to explain to you our 1947 allocation plan . . . how it applies to you. And how it protects you. We invite you to discuss this matter with him.

AMERICAN CAN COMPANY

CANCO

NEW YORK ★ CHICAGO ★ SAN FRANCISCO

Nerolin, crys., cns. lb. 1.70 - 1.90
Niacin (see Acid, nicotinic).
Nickel, carbonate, bbls. lb. .29 - —
Chloride, bbls. lb. .20 - —
Cyanide, bots., dms. lb. No stocks
Oxide, black, bbls. lb. .25 - .28
Salt, bbls. lb. .14 - .14½
Nicotinamide, USP, dms., works, kilo. 10.50 -10.80
Nicotine sulphate, 40%, dms., 50 lbs. to dealers, frt. allowed over 50 lbs. lb. .988 - —
tins, 10 lbs. lb. 1.105 - —
Nikethamide, bots., cbys. lb. 7.00 - 8.00
Nitercake, bulk, works. ton. 20.00 -24.00
Nitrobenzene, dbl. dist., dms., c.l., lb. .06 - —
l.c.l. lb. .09 - —
tanks lb. .07 - —
Nitrocellulose, alcohol-soluble, ½ sec., 30-35 cps., bbls., works, dry weight. lb. .26 - —
5-6, 40-50 cps., same basis. lb. .27 - —
Ester-soluble, ¼, ½ sec., 30-35 cps., bbls., works, dry weight. lb. .29 - —
5-6, 15-20 cps. and higher, bbls., works, dry weight. lb. .25 - —
Nitrocellulose:—Denatured alcohol used in manufacture is charged extra. Barrels extra, but returnable.
Nitroethane, dms., works. lb. .35 - —
Nitrogen solut., tanks. ton. 106.21 - —
Prices adjusted to ammonia sulphate basis from ports, and anhydrous ammonia basis, Hopewell, Va., bulk, works.
Nitrogenous process tankage, bulk, works. unit-ton. 4.00 - 4.50
Sewage sludge, bulk, works. unit-ton. 3.50+.40- —
Nitromethane, dms., c.l., works, lb. .35 - —
Nitronaphthalene, bots. lb. .24 - .25
Nitropropane 1, dms., works. lb. .28 - —
M, dms., works. lb. .25 - —
Nutgalls, bgs. lb. .44 - .50
Nutmegs, West Indian, bgs. lb. .80 - .82
futures lb. .80 - .81
Nux vomica, bls. lb. .09½- .10
powder, bbls., bxs. lb. .12 - .13

O

Oakbark extract, 25% tannin, bbls., c.l., works. lb. No stocks
Octane, 100° C-140° C, industrial grade dms., c.l., G.S. gal. .15½- —
l.c.l., G. S. gal. .20 - —
10 gals., G. S. gal. .55 - —
tanks, G. S. gal. .13 - —
Octanol, (see Alcohol, ethylhexyl).
Oil, almond, artificial (see Benzaldehyde).
Bitter, F.P.A., bots. lb. 4.75 - 5.00
USP, bots. lb. 4.90 - —
sweet, exp., dms., cns. lb. 1.10 - 1.45
Angelica root, bots. lb. 115.00 -275.00
Seed, bots. lb. 115.00 -265.00
Anilin (see A).
Anise, USP, Chinese, dms. lb. 1.05 - 1.50
Russian, cns. lb. 0.50 - 0.75
Apricot kernel, cns. lb. .65 - .85
Avocado, cns., dms. lb. 1.00 - 1.10
Babassu, tanks lb. No prices
Bay, W. I., 50-55%, cns. lb. 1.35 - 1.70
Puerto Rican, 50-56%, cns. lb. 1.45 - 1.80
Bergamot, artif., cns. lb. 2.25 - 5.50
natural, Italian, cns. lb. 4.75 - 6.50
Birch (see Oil, sweet, birch).
Birchtar, crude, cns. lb. 5.00 - 6.00
rectified, cns. lb. No stocks
Bois de rose, Brazil, cns. lb. 5.00 - 6.00
Mexican (see Oil, lignaloe wood).
Bone, dms., works. gal. .65 - .70
Cajeput, tech., dms. lb. 2.70 - 2.90
redistilled, USP IX, cns. lb. 2.85 - 3.20
Calamus, cns. lb. 20.00 -30.00
Camphor, white, nat., cns. lb. .75 - 1.25
synthetic, dms. lb. .15 - .35
Cananga, native, cns. lb. 6.00 -14.00
rectified, cns. lb. 10.50 -17.00
Capsicum (see Capsicum, oleoresin).
Caraway, NF, cns. lb. 6.00 - 8.75
Cardamom, bots. lb. 22.50 -30.00
Cassia, USP, cns. lb. 3.50 - 6.50
Castor, blown, ret. dms., c.l. No prices
l.c.l. lb. No prices
cold-pressed, U.S.P., ret. dms., c.l. lb. .31½- —
l.c.l. lb. .32½- —
tanks lb. .30½- —
dehydrated, bodied, dms., c.l. lb. No prices
l.c.l. lb. .29½- —
tanks lb. .28 - —
unbodied, dms., c.l. lb. No prices
l.c.l. lb. .28 - —
unbodied, tanks. lb. .26½- —
No. 3, tech., dms., c.l. lb. .31½- —
l.c.l. lb. .32½- —
tanks lb. .30½- —
sulphonated, 50% (49% fat), dms., c.l. lb. No prices
l.c.l. lb. .16 - .22
70% (62-64% fat), dms., c.l. lb. No prices
l.c.l. lb. .26 - .30
Cedarleaf, USP, cns., dms. lb. 2.50 - 2.70
Cedarwood, USP, cns. lb. .80 - 1.30
dms. lb. .85 - 1.20
Celery, bots. lb. 17.50 -22.50
Chaulmoogra, USP, cns. lb. .65 - .68
Chinawood (see Oil, tung).
Cinnamon bark oil, bots. lb. 32.00 -60.00
leaf, dms. lb. 1.40 - 1.65
Citronella, Ceylon, cns. lb. 2.10 - 2.75
Java, cns. lb. 4.75 - —
Clove, USP, cns. lb. 1.50 - 1.85
Coconut, Ceylon type, tankcars, lb. .21 - —
tankcars, Pac. Coast. lb. .20 - —
refined, Cochin type. lb. .25¼- —
Oil, cod, Newfoundland, dms. gal. No prices
tanks gal. No prices
Codliver, USP, bbls., dms. gal. 2.60 - 3.70
Coriander, bots. lb. 17.50 -22.50
Corn, crude, tanks, works. lb. .30 - —
refined, tanks, works. lb. .33½- .34
foots, acid, 95%, tanks, dlvd. E. lb. .16 Nom.
raw, 50%, tanks, dlvd. E. lb. .08 Nom.
Cottonseed, crude, tanks, works (see Cottonseed Oil market report).
foots, acid 95%, tanks, dlvd. E. lb. .16 Nom.
raw, 50%, tanks, dlvd. E. lb. .08 Nom.
Creosote (see C).
Croton, NF, cns. lb. 4.75 - 5.50
Cubeb, cns. lb. 12.00 -13.00
Crude (see Petroleum, crude)
Cumin, bots. lb. 8.50 -22.00
Cypress, bots. lb. 12.00 -16.00
Degras (see D).
Dillseed, bots. lb. 6.50 - 7.00
Dillweed, bots. lb. 4.50 - 5.25
Dip (see D).
Erigeron, cns. lb. 2.25 - 4.00
Eucalyptus, USP, rect., 80-90%, cns. lb. 1.10 - 1.45
70-80%, cns. lb. 1.05 - 1.40
Fennel, sweet, cns. lb. 3.75 - 4.55
Fir, Canada, cns. lb. 2.50 - 2.80
Fishliver, dms., less than 40,000 A units per gram. per million units. .30 - —
for each 1,000 additional A units up to 200,000 grams. per million units. .001 - —
200,000 or more A units. per million units. .40 - —
Fuel (see Petroleum, fuel oil).
Garlic, pure, bots. oz. 15.00 - —
Gaultheria (see Oil, wintergreen).
Geranium, Algerian, cns. lb. 16.00 -28.00
Bourbon, cns. lb. 14.50 -22.00
Russian, cns. lb. No stocks
Turkish (see Oil, palmarosa).
Ginger, dist., bots. lb. 10.50 -14.00
Grapefruit, Florida, cns. lb. 2.20 - 2.45
California, bots., cns. lb. 1.75 - 2.50
Grease, common, No. 1, bbls., c.l. lb. No prices
extra, No. 1, bbls., c.l. lb. No prices
Winter strained, bbls., c.l. lb. No prices
prime, burning, bbls., c.l. lb. No prices
inedible, bbls., c.l. lb. No prices
Guaiacwood, cns. lb. 2.00 - 4.00
Hemlock, cns. lb. 2.55 - 2.75
Herring, crude, tanks, Pac. coast. lb. No prices
Juniper berry, dom., bots. lb. 6.00 -12.50
Juniper tar, USP (see Juniper Tar).
Juniper wood, tech., cns. lb. .65 - 1.85
Lard oil (see Oil, grease).
Laurel, bots. lb. No prices
Lavandin, cns. lb. 4.00 - 5.00
Lavender flower, French, 38%-42% ester, cns. lb. 10.00 -17.00
30-32% ester. lb. 6.00 -10.00
Russian, cns. lb. 12.75 - —
Spike, Spanish, pure, cns. lb. 2.05 - 3.10
tech., cns. lb. 1.05 - 2.50
Lemon, USP, Calif., cns. lb. 3.25 - 3.50
Messina, cns. lb. 3.40 - 4.00
Terpeneless, bots. lb. 40.00 -50.00
Lemongrass, cns., dms. lbs. 3.75 - 4.45
Lignaloe seed, Mexican, cns. lb. No stocks
Wood, Mexican, cns. lb. 4.60 - 5.75
Brazilian (see Bois de Rose).
Lime, distilled, Mexican, cns. lb. 5.25 - 7.20
West Indian, cns. lb. 6.00 - 7.50
expressed, West Indian, cns. lb. 13.50 -15.00
Linseed, raw, dms., c.l. lb. .3460 Nom.
l.c.l. lb. .3720- .3750
tankcars lb. .3560 Nom.
tankwagon lb. .3580 Nom.
Boiled linseed oil, .004 higher than raw.
Linseed, replacement, dms., c.l. lb. .3260 Nom.
l.c.l. lb. .3300- .3330
tanks lb. .3160 Nom.
Lubricating, at refinery, ex tax, California, neutral, pale, 200-800 vis., 2¼-4 pour, tanks. gal. .07¼- .11
red, 200-900 vis., 4-6¾ pour, plus tanks. gal. .07¼- .11¼
Group 2, bright stock, 150-160 vis., 0.25 pour, tanks. gal. .23 - .25
neutral, 200 vis., No. 2, col., 0.10 pour, tanks. gal. .18½- .19
200-800 vis., No. 2, col., 15-25 pour, tanks. gal. .16 - .20
145-155 vis., No. 2, color, 10-25 pour, tanks. gal. .20 - .21
cylinder oils, 600-650 flash, tanks. gal. .17 - .19
600-650 steam, refd., tanks. gal. .15½- .20
neutral, 75° F., No. 3 color, 150 vis., 25 pour, tanks. gal. .20 - .20
200 vis., 25 pour, tanks. gal. .20 - .20
Mace, dist., cns., dms. lb. 8.00 - 9.00
Mineral, white (see Oil, white).
Mandarin, Brazilian, cns. lb. 8.25 -10.00
Menhaden, crude, tanks, Balto. lb. .18½ Nom.
refined, alkali, dms., c.l. lb. .20½- —
kettle-bodied, dms., l.c.l. lb. .23 - —
light-pressed, dms., l.c.l. lb. .20 - —
tanks lb. .28 - —
Mustard, artif., USP, cns. lb. 1.45 - 1.65
Seed, exp., dms., c.l. lb. .20 - —
Neatsfoot, 15°, ret. dms., works, lb. .52 - —
20°, ret. dms., works. lb. .50 - —
30°, ret. dms., works. lb. .49 - —
Neroli, French, bots. lb. 180.00 -200.00
Haitian, bots. lb. 180.00 -200.00
Nutmeg, cns. lb. 0.80 - 0.90
Oestes cynararam, dms. lb. .80 - 1.00
Officica, liquid, tankcars. lb. .34½- —
dms., carlots. lb. .35½- —
l.c.l. lb. .36½- —
Olco, extra, tes., Chicago. lb. .20½- —
Olibanum, bots. lb. 5.00 - 6.05
extra fine. lb. 6.25 -10.00
Olive, denat., dms. gal. No stocks
edible, Calif., 3%-10% f.f.a., dms., extra, works. gal. No prices
imported, dms. gal. 7.25 - 7.50
foots, dms., c.l. lb. No prices
tankcars lb. No prices
sulphonated, 50% (40% fat), dms., c.l. lb. No stocks
l.c.l. lb. No stocks
30% (25% fat), dms., c.l. lb. No stocks
l.c.l. lb. No stocks
25% (20% fat), dms., c.l. lb. No stocks
l.c.l. lb. No stocks
Orange, sweet, dist., cns. lb. 1.25 - 1.75
expressed, USP, Brazilian, cns. lb. 1.45 - 2.00
Calif., cns. lb. 1.60 - 1.80
Florida, cns., dms. lb. 1.45 - 1.75
Messina, coppers. lb. No stocks
West Indian, cns. lb. 2.25 - 2.75
orthoterpeneless, bots. lb. 160.00 -200.00
Origanum, Spanish, cs. lb. 2.40 - 2.75
Palm, Niger, dms. lb. No prices
Palmarosa, cns. lb. 8.50 - 9.00
Palmkernel, crude, bulk, c.i.f., N. Y. lb. No prices

Newly Developed AROMATIC CHEMICALS

The new odor successes in the perfume and cosmetic field will be based on these.

AMUSKAL
A high carbon chain chemical giving surprising lift to perfume products to which it is added. It also enhances lasting qualities — very little goes a long way. Economical to use. Write for sample and prices.

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Try in your creams to improve texture.

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Basis for Lilacs to create richer, stronger Lilac Odor. Add up to 10% Aldehyde FK.

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A chemical surprisingly true to the odor of Reseda Mignonette.

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Basis for Tuberose odors and perfumes for creams, lotions, etc.

VIOLETTONE
A Ketone basis with Patchouly note for Violet Odors.

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Softener and homogenizer for all types of Floral Odors.

These are a few of our recently developed products. Write for complete list.

CYCLAMAL—An aldehyde replacing Hydroxy Citronellal. Five Times stronger. Economical to use.

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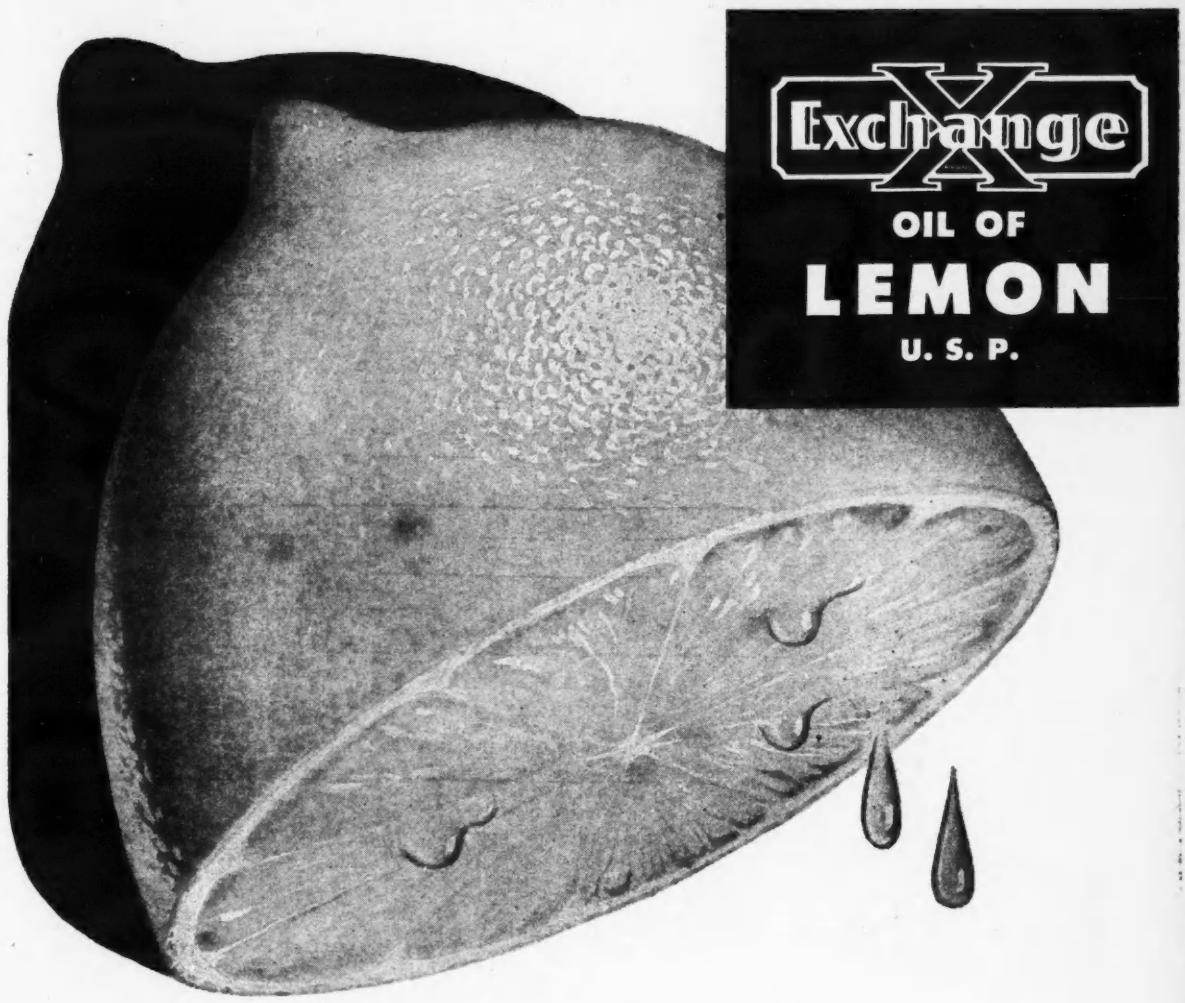
9 S. CLINTON STREET, CHICAGO 6 — 1019 ELLIOTT ST., W., WINDSOR, ONT.

ESTABLISHED 1910 GD AROMATICS DIVISION

Oil, paraffin, 860° flash, 100-110 vis., tanks, G.S..gal.	.05½-	—
330° flash, 60-70 vis., tanks, G.S..gal.	.05¼-	—
350° flash, 70-80 @ 100 vis., 0/10 pour, G.S..gal.	.06	- —
80-85 vis., 0/10 pour, bbls, extra, ind. ref'y..gal.	.13	- —
100-110 vis., 0/10 pour, same basis..gal.	.06½-	—
10/25 pour, same basis.gal.	.06¼-	—
Patchouli, imported, cns.....lb.	48.00	-98.00
Peanut, crude, tanks, works.lb.	.30	- —
foots, acid, 95%, tanks, dlvd. E..lb.	.16	Nom.
raw, 50%, tanks, dlvd., E.lb.	.08	Nom.
refined, dms.....lb.	.35	- .35½
Pennyroyal, dom., dms., cns.lb.	3.25	- 3.95
Import, cns. .....lb.	4.25	- 5.00
Peppermint, natural, dms...lb.	7.75	- 8.25
redist., USP, dms.....lb.	8.50	- 8.75
Perilla, crude, dms.....lb.	No stocks	
Petitgrain, Paraguay, cns...lb.	3.50	- 4.75
Pimento, berry, dms.....lb.	6.75	- 8.00
Leaf, cns.....lb.	2.75	- 5.75
Pine, destructively dist., dms., c.l., incl. wks., South..gal.	.70	- —
l.c.l., same basis.....gal.	.71	- —
tanks, wks., South.....gal.	.61	- —
steam-dist., dms., dlvd. E.gal.	.59	- —
Pinaneedle, cns. .....lb.	3.25	- 3.65
Putty, petroleum, heavy, dms., gal.	.18	- —
tankwagon .....gal.	.18½-	—
light, dms.....gal.	.16½-	—
tankwagon .....gal.	.12½-	—
Rapeseed, dms., c.l. .....lb.	.32	Nom.
Red, single dist., ret. dms...lb.	.29½-	.30¾
tanks, dlvd., E. of Rockies, lb.	.28½-	—
double dist., ret. dms.....lb.	.32½-	.33¼
Rose, natural, coppers.....oz.	31.25	-40.00
Rosemary, Spanish, tech., cns., dms..lb.	1.10	- 1.80
USP, cns., dms.....lb.	1.40	- 1.75
Rosin, 1st rectified, dms....gal.	.66	- —
2d rectified, dms.....gal.	.68	- —
3d rectified, dms.....gal.	.72	- —
Rue, bots.....lb.	4.75	- 5.25
Sage, Dalmatian, cns.....lb.	5.75	- 6.50
Spanish, cns.....lb.	2.25	- 3.50
Sandalwood, NF, Mysore, cns., case lots..lb.	16.00	-21.00
Sardine, crude, tanks, Pac. coast..lb.	.23½	Nom.
refined, alkali, dms., l.c.l..lb.	.29½-	—
kettle-bodied, dms., l.c.l..lb.	.33	- —
light-pressed, dms., l.c.l..lb.	.29	- —
tanks .....lb.	.28	- —
Sassafras, artificial.....lb.	.80	- 1.10
natural, Brazilian (see Oil, cocotes cymbarum).		
domestic, USP XII, cns., dms..lb.	1.95	- 2.80
Savin, cns. .....lb.	6.25	-17.00
Savory, cns.....lb.	6.00	- —
Seal, No. 1, tanks, U.S. ports. lb.	No prices	
Sesame, tanks .....lb.	No prices	
Shingle stain, bbls., c.l., works, gal.	.2195-	—
l.c.l., works.....gal.	.25	- .29
tanks, works.....gal.	.15	- .16
Snakeroot, Canada, cns.....lb.	27.00	- —
Soybean, clarified, dms., c.l..lb.	.2813-	—
l.c.l. .....lb.	.2850-	—
tanks .....lb.	.2713-	—
crude, tankcars, mills.....lb.	.26½-	—
refd., alkali, dms., c.l.....lb.	.2985-	—
l.c.l. .....lb.	.3020-	—
tankcars .....lb.	.2837-	—
foots, acid, 95%, tanks, dlvd. E..lb.	.16	Nom.
raw, 50%, tanks, dlvd. E.lb.	.08	Nom.
Spearmint, dms. .....lb.	12.25	-15.00
Sperm, bleached, 38°, dms...lb.	No prices	
natural, 45°, dms.....lb.	No prices	
Spruce, cns., dms.....lb.	2.50	- 2.75
Sunflower, imported, refined, tanks..lb.	No prices	
semi-refined, tanks.....lb.	No prices	
Sweet birch, North, cns....lb.	6.00	- 7.25
South, cns.....lb.	2.50	- 3.25
Tall, crude, dms., c.l., works. ton.	No prices	
l.c.l. works .....ton.	No prices	
tanks, works .....ton.	No prices	
Refined, dms., c.l., works..lb.	.08½-	.09½
l.c.l., works.....lb.	.09	- .10
tanks, works.....lb.	.07½-	.08½
Tallow, acidless, dms., c.l., Chicago..lb.	.27	- —
Tansy, cns. .....lb.	12.00	- —
Tar, pine, crude, dms, incl., c.l., dlvd. E. cities..gal.	.43	- —
l.c.l., works, South....gal.	.40½-	—
tanks, dlvd. E. cities....gal.	.34½-	—
rectified, USP, l.c.l. dms. incl., wks., South..gal.	.69	- —
Tar acid (see T).		
Thyme, red, NF, cns.....lb.	2.60	- 3.05
White, cns. .....lb.	2.85	- 3.75
technical, cns.....lb.	.75	- .90
Tung, dms., c.l.....lb.	.39½-	—
l.c.l. .....lb.	.40½-	.41
tankcars .....lb.	.38½-	—
Turkey red (see Oil, castor, sulphonated).		
Turpentine, rectified, USP, cns., dms..lb.	.30	- .55
Vetiver, Bourbon, cns.....lb.	35.00	-42.50
Haitian .....lb.	29.50	-35.00
Whale, ref., natural, dms...lb.	No stocks	
Winter bleached, dms.....lb.	No stocks	
Wheat germ, dms.....gal.	10.00	-12.50
White, mineral, tech., f.o.b., N. Y., 50-60 vis., dms., incl., c.l..gal.	.42	- —
l.c.l. .....gal.	.44	- .49
65-75 vis., dms., dms. incl., c.l..gal.	.45	- —
l.c.l. .....gal.	.47	- .52
USP, 80/90 vis., dms., dms. incl., c.l..gal.	.49	- —
l.c.l. .....gal.	.51	- .56
125/135 vis., dms., dms. incl., c.l..gal.	.61	- —
l.c.l. .....gal.	.64	- .66
145/155 vis., dms., dms. incl., c.l..gal.	.63	- —
l.c.l. .....gal.	.66	- .70
175/185 vis., dms., dms. incl., c.l..gal.	.66	- —
l.c.l. .....gal.	.69	- .73
200/210 vis., dms., dms. incl., c.l..gal.	.70	- —
l.c.l. .....gal.	.73	- .77
335/345 vis., dms., dms. incl., c.l..gal.	.78	- —
l.c.l. .....gal.	.80	- .85
55, 70 and 85 vis., non-ret. dms., San Francisco.gal.	.45	- —
smaller lots, same basis. gal.	.47	- .50
100 vis., non-ret. dms., 65 dms., San Francisco. gal.	.56½-	—
smaller lots, same basis. gal.	.57½-	.61½
145 vis., non-ret. dms., 65 dms., San Francisco.gal.	.64	- —
smaller lots, same basis. gal.	.66	- .69
180 vis., non-ret. dms., 65 dms., San Francisco.gal.	.69½-	—
smaller lots, same basis. gal.	.71½-	.74½
240 vis., non-ret. dms., 65 dms., San Francisco.gal.	.81	- —
smaller lots, same basis. gal.	.83	- .86
Oil, wintergreen, natural, North, cns..lb.	5.50	-17.25
South, cns. .....lb.	3.65	- 6.00
synthetic (see Methyl salicylate).		
Wood (see Oil, tung).		
Wormseed, cns.....lb.	5.00	- 6.75
Wormseed, cns. .....lb.	5.55	- 6.75
Ylang-ylang, Bourbon, extra, bots..lb.	18.00	-24.00
first, bots.....lb.	14.00	-17.50
second, bots. .....lb.	8.50	-14.00
third, bots.....lb.	5.75	- 9.00
Oleostearin, loose, Chicago....lb.	No prices	
Olivine, aggregate, c.l., mines.. ton.	7.00	- 9.50
crushed, 8 mesh, bulk, c.l., works..ton.	8.00	- —
paper bgs., c.l., works..ton.	9.50	- —
lumps, paper bgs., c.l., works. ton.	7.00	- —
spalls, paper bgs., c.l., works. ton.	5.00	- —
Opium, USP, cns.....lb.	21.90	-21.55
gran. .....lb.	22.70	-20.20
powd. .....lb.	22.70	-20.20
Orange, cadmium lithopone, bbls., frt. alld. E. of Rockies. lb.	.65	- .68
Chrome, CP, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. R., includ. Davenport, Minneapolis, Rock Island, St. Louis, St. Paul, contracts..lb.	.24	- —
Chrome orange prices are ½c. higher, dlvd. Ala., Fla., Ga., La. (Shreveport); 1¼c. Miss., N. C., S. C., Tenn., Dallas, Tex., 1¼c.; Ft. Worth, Tex., 1½c.; El Paso, Tex., 2c.; Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.			
Orange, dinitrenanilin toner...lb.	1.15	- —
Molybdate, bbls. .....lb.	.87½-	—
Orthonitroanilin toner, bbls., kgs., works..lb.	.96	- 1.06
Persian, bbls. .....lb.	.39	- .45
Orange mineral, American, bbls., 5 tons, dlvd. Ala., Cal., Fla., Ga., La., Miss., Tex. and W. of Cascade Mts. in Ore. and Wash..lb.	.16½-	—
Ariz., Idaho, Nev., Utah, and E. of Cascade Mts. in Ore. and Wash..lb.	.20	- —
Mont., Wyo., Colo., N. Mex..lb.	.18¾-	—
other points.....lb.	.18¼-	—
smaller lots, Ala., etc...lb.	.19	- —
Ariz., etc.....lb.	.19¼-	—
Colo., Mont., N. M., Wyo..lb.	.19¼-	—
other points.....lb.	.18¾-	—
Orange flowers, bis.....lb.	.46	- .48
Orange peel, bitter, Haitian, bis. lb.	.15	- .15
Sweet, bis. .....lb.	.13½-	.14
Oregano, Italian, bgs.....lb.	.37	- .37½
Portuguese, bgs. .....lb.	.34½-	.35½
Orris root, Florentine, bis.....lb.	.40	- .41
Verona, bis. .....lb.	.35	- .36
Portuguese, bis. .....lb.	.35	- .36
Orthoamylphenol, dms., works.lb.	.35	- —
Orthoanisidin, bbls. .....lb.	.70	- —
Orthochloroanilin, dms. .....lb.	.60	- —
Orthochlorophenol, dms. .....lb.	.25	- .27
Orthocresol, 30.4° C., min., M.P., dms., c.l., works..lb.	.17½-	.22
l.c.l., works .....lb.	.18	- .18½
29° C. min., M.P., dms., c.l., works..lb.	.16¼-	.17
l.c.l., works .....lb.	.17	- .17½
Orthodichlorobenzene, dms., c.l., works, frt. alld. E. of Rockies..lb.	.07½-	.08
l.c.l., same basis.....lb.	.08½-	.10
tanks, same basis.....lb.	.07	- —
Orthodichlorobenzene prices W. of Rockies 1c. per lb. higher.		
Orthonitroanilin, dms. .....lb.	.42	- .45
Orthonitrochlorobenzene, dms..lb.	.15	- .18
Orthonitrodiphenyl, tech., grade A., dms., c.l., works.lb.	.10	- —
l.c.l., works.....lb.	.11	- —
grade B, dms., c.l., works.lb.	.08	- —
l.c.l., works.....lb.	.07	- —
Orthonitroparachlorophenol, cns., lb.	.75	- —
Orthonitrotoluene, dms.....lb.	.09	- .09
Orthophenetidin, dms.....lb.	.95	- —
Orthotoluidin, dms.....lb.	.13	- .19
Osage orange crystals, bbls....lb.	.20	- —
extract, No. 1, bbls.....lb.	.14	- —
Ouabaine, USP, bots.....gram.	3.00	- 4.00
Oxyquinolin sulphate, cns., 100 lbs., works..lb.	6.40	- —
small lots, works.....lb.	6.55	- 7.40

P

Papain, powd., cs.....lb.	6.50	- 6.75
Papaverine, natural or synthetic, hydrochloride, NF, cns., 100-oz. lots..oz.	7.00	- —
smaller lots.....oz.	7.05	- 7.25
Sulphate, cns.....oz.	7.10	- 7.35
Paprika, Chilean, bgs.....lb.	No stocks	
Portuguese, bgs.....lb.	.47	- .49
Spanish, bgs.....lb.	.50	- .52
Para-anisidin, dms., works....lb.	.75	- —
Parachlorophenol, dms., c.l., works, lb.	.24	- —
l.c.l., same basis.....lb.	.25	- .27
Paracresol, bois., works.....lb.	.41	- —



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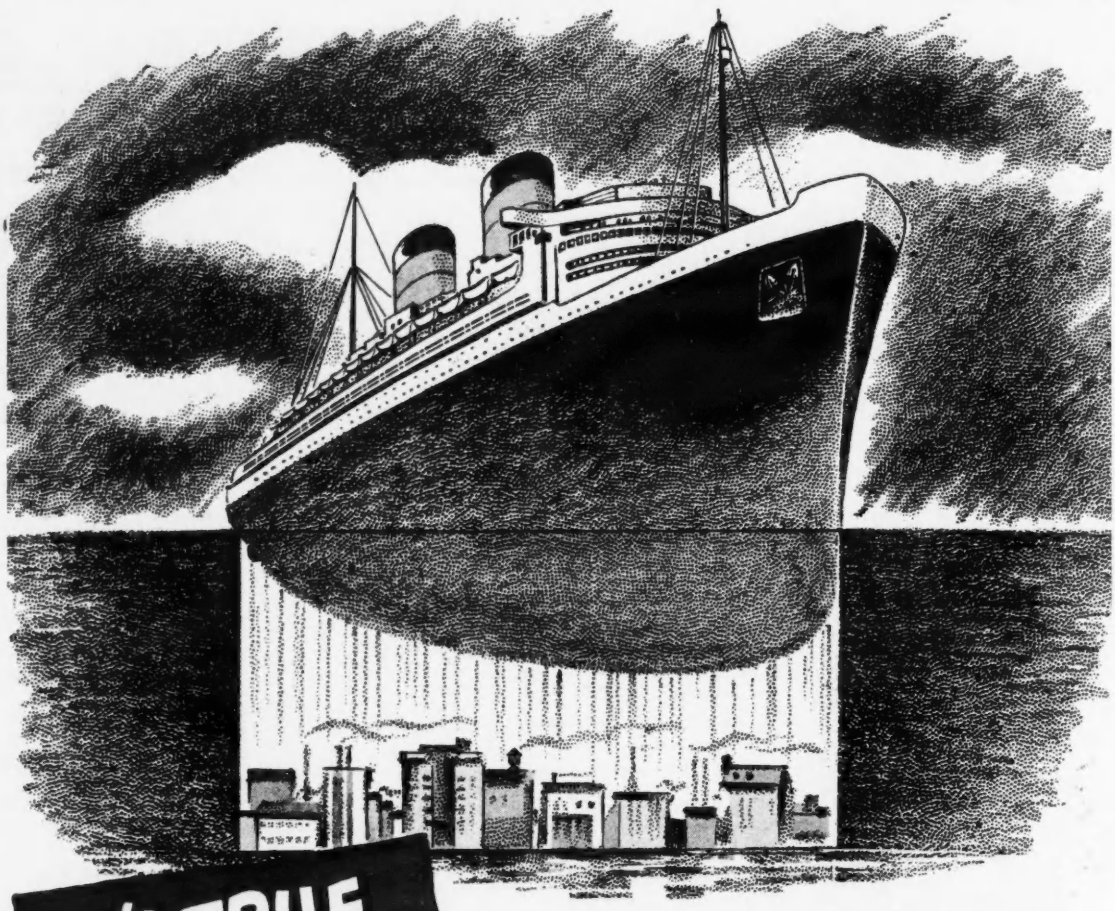
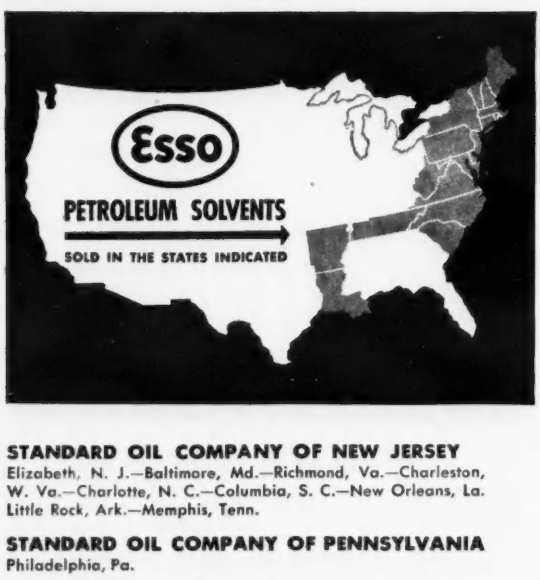
EXCHANGE LEMON PRODUCTS CO. CORONA, CALIF.

Paracymene, dms., c.l., works	lb.	.1385- —
l.c.l., same basis	lb.	.1445- —
tanks, same basis	lb.	.1545- —
Paradichlorobenzene, dms., c.l., works	lb.	.12½- —
l.c.l., same basis	lb.	.14 - —
Paraffin, crude, scale, white or yellow, 124-126 ASTM, bbls., c.l., refinery	lb.	.06 - .06¼
fully ref'd slabs, loose, 117-119 ASTM, c.l., refinery	lb.	.05 - —
123-125 ASTM, refinery	lb.	.0610- .0645
125-127 ASTM, refinery	lb.	.0610- .0655
128-130 ASTM, refinery	lb.	.0640- .0675
130-132 ASTM, refinery	lb.	.0695- —
133-135 ASTM, refinery	lb.	.0695- .0710
135-137 ASTM, refinery	lb.	.0720- —
Prices in bags 4/10c. lb. higher.		
Paraformaldehyde, dms. 1,000 lbs. or more, works	lb.	.21 - —
smaller lots, works	lb.	.22 - —
Paraldehyde, tech., 96% 55 and 110-gal. dms., l.c.l., wks.	lb.	.13 - —
10-gal. dms., works	lb.	.16 - —
USP, chys	lb.	.40 - —
Paranitroaniline, kgs., works	lb.	.41 - .43
Paranitrochlorobenzene, kgs., wks.	lb.	.19 - —
Paranitrophenol, kgs	lb.	.35 - —
Paranitrotoluene, kgs., works	lb.	.30 - —
Paraphenylenediamine, tech., kgs.	lb.	1.25 - —
Paratoluenesulphonamide, bbls.	lb.	.70 - —
Paratoluidin, bbls., works	lb.	.44 - —
Paris green, dealer, distributor, dms., kgs., c.l., works, frt. alld. East	lb.	.31 - —
l.c.l., same basis	lb.	.32 - .33
Passion flower herb, bls.	lb.	.48 - .50
Patchouli leaves, bls.	lb.	.38 - .40
Pectin, bbls.	lb.	1.25 - —
Penicillin, amorph., calcium, bulk, 1,000,000,000 units	units.	.21 - —
100,000 units	units.	.27 - —
sodium, bots.	100,000 units.	.31 - —
cryst., sodium, bots.	100,000 units.	.25 - —
bulk, 1,000,000,000 units	100,000 units.	.24 - .25
Pennyroyal leaves, bls.	lb.	.20 - .26
Pentachlorophenol, drms., works,	lb.	.75 - —
Pentaerythritol, CP, bbls., dlvd.	lb.	1.00 - —
smaller containers	lb.	.27 - —
tech., bbls., c.l.	lb.	.31 - —
l.c.l.	lb.	
Pentane, 28°-38° C., industrial grade, dms., c.l., Group 3	gal.	.11 - —
l.c.l., dms., Group 3	gal.	.19 - —
tanks, Group 3	gal.	.07½- .07¾
28°-38° C, laboratory grade, 10-gal. cns., dlvd. E.	gal.	.55 - —
dms., c.l., Group 3	gal.	.16 - —
l.c.l., Group 3	gal.	.29 - —
Pepper, black, bgs.	lb.	.56 - .57
futures, bgs., Feb.	lb.	.51 - .54
Red, capsicum, Carolina longs, new crop, bgs., shipment point	lb.	.50 - .55
sports, old crop, bgs.	lb.	No stocks
Louisiana, longs, new crop, bgs., shipment point	lb.	.40 - .41
sports, bgs.	lb.	No stocks
Niger, bgs.	lb.	.45 - .46
Chillies, Haitian, bgs.	lb.	.56 - .57
Mexican, long	lb.	.50 - .51
White, bgs.	lb.	.56 - .57
Peppermint, dom., USP, bls.	lb.	1.00 - 1.05
imported, USP, bls.	lb.	.96 - 1.00
Perchloroethylene, dms., c.l., Zone 1, works, frt. alld.	lb.	.09½- —
Zone 2, same basis	lb.	.09¾- —
Zone 3, same basis	lb.	.10¼- —
Zone 4, same basis	lb.	.10¼- —
l.c.l., Zone 1, same basis	lb.	.09¾- —
Zone 2, same basis	lb.	.10¼- —
Zone 3, same basis	lb.	.10¾- —
Zone 4, same basis	lb.	.10¾- —
Perchloroethylene zones are:—(1) Conn., Del., Ill., Ind., Ia., Ky., Me., Md., Mass., Mich., Minn., Mo., Neb. (Omaha), Kans. (Kansas City), N. J., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., W. Va., Wis.; (2) Ala., Ark., Fla., Ga., Kansas, La., Miss., Neb., N. D., Okla., S. C., S. D.; (3) Col., Mont., (E) N. M., Tex., Wyo.; (4) Ariz., Cal., Idaho, Mont. (W), Nev., Ore., Utah, Wash.		
Peru balsam, dms.	lb.	1.25 - 1.30
Petrolatum, tech., dark, bbls., c.l., Group 3	lb.	.031 - —
golden topas, bbls., c.l.	lb.	.032 - —
l.c.l.	lb.	.036 - —
red, veterinarian, bbls., c.l.	lb.	.024 - —
l.c.l.	lb.	.028 - —
USP, amber, non-ret. dms., c.l.	lb.	.05 - —
l.c.l.	lb.	.06 - —
extra, amber, dms., c.l.	lb.	.05¼- —
l.c.l.	lb.	.06¼- —
cream, c.l., dms.	lb.	.07 - —
l.c.l.	lb.	.08¼- —
white, lily, dms., c.l.	lb.	.07¼- —
l.c.l.	lb.	.08¾- —
snow, dms., c.l.	lb.	.08¼- —
l.c.l.	lb.	.09¾- —
soft, dms., c.l.	lb.	.07¼- —
l.c.l.	lb.	.08¼- —
yellow, soft, dms., c.l.	lb.	.05½- —
l.c.l.	lb.	.06½- —
Petroleum, crude, bulk, at wells, California, heavy grades	bbl.	1.35 - 1.39
Illinois	bbl.	1.60 - 1.62
Kentucky, Union County	bbl.	1.72 - 1.77
Louisiana-Arkansas	bbl.	1.19 - 1.96
Montana	bbl.	1.30 - 1.79
Oklahoma-Kansas	bbl.	1.30 - 1.80
Pennsylvania, lower field	bbl.	3.30 - 3.55
Upper field	bbl.	1.76 - 3.30
Texas East	bbl.	1.30 - 1.80
Gulf coast	bbl.	1.38 - 1.93
North, North-Central	bbl.	1.46 - 1.70
Panhandle	bbl.	1.28 - 1.70
West	bbl.	1.15 - 1.83
Wyoming	bbl.	.95 - 1.70
Ether, laboratory grade, 30°-60° C, 10-gal. cns., dlvd. E.	gal.	.55 - —
dms., c.l., Group 3	gal.	.16 - —
l.c.l., same basis	gal.	.29 - —
35°-60° C, 10-gal. cns., dlvd. E.	gal.	.55 - —
dms., c.l., Group 3	gal.	.16 - —
l.c.l., same basis	gal.	.29 - —
40°-75° C., 10-gal., cns., dlvd. E.	gal.	.55 - —
dms., c.l., Group 3	gal.	.16 - —
l.c.l., same basis	gal.	.29 - —
Fuel oil, furnace, tanks, at refinery, Arkansas, No. 2	gal.	.04½- —
No. 3	gal.	.04¼- —
Bayonne, No. 2, tanks	gal.	.0340- —
California, heavy	bbl.	1.30 - 1.35
light	bbl.	1.50 - 1.55
diesel	gal.	.0675- .0725
Group 3, No. 1	gal.	.04¾- .04¾
No. 2, straw	gal.	.04¼- .04¼
No. 3	gal.	.04 - .04¼
Oklahoma, No. 1, p.w.	gal.	.04¾- .05¾
No. 1, straw	gal.	.04¾- —
No. 2, straw	gal.	.04¼- .04¾
No. 3	gal.	.04 - .04¼
No. 6	bbl.	1.15 - 1.35
range	gal.	.04½- —
Pennsylvania, No. 1	gal.	.06¾- .07
No. 2	gal.	.06¼- .06¾
No. 3	gal.	.06¼- .06¾
36-40 gravity	gal.	.06¼- —
Bunker C (No. 6), tanks, Albany, N. Y.	bbl.	1.92 - —
Baltimore, Md.	bbl.	1.72 - —
Boston, Mass.	bbl.	1.96½- —
Charleston, S. C.	bbl.	1.83 - —
Jacksonville, Fla.	bbl.	1.63 - 1.83
New York, N. Y.	bbl.	1.92 - 2.02
Norfolk, Va.	bbl.	1.88 - 1.93
Philadelphia, Pa.	bbl.	1.92 - 2.02
Portland, Me.	bbl.	2.01 - 2.06
Providence, R. I.	bbl.	1.98 - 2.04
Savannah, Ga.	bbl.	1.88 - —
Lacquer diluent, California, 100 l.b.n., 200 e.p., tanks, dlvd. Los Angeles	gal.	.11 - —
Seattle, Wash.	gal.	.12 - —
East Coast, N. J., N. Y., tanks, refinery	gal.	.12½- —
Group 3 benzol type, tanks.	gal.	.08¾- .09¾
toluol type, tanks	gal.	.09¾- .09¼
San Francisco	gal.	.11½- —
Portland, Ore.	gal.	.12 - —
Mineral spirits, California, San Francisco, 170-250 b.r., tanks	gal.	.11½- —
205-300 b.r., tanks	gal.	.11½- —
244-362 b.d., tanks	gal.	.11½- —
307-360 b.r., tanks	gal.	.11 - —
312-402 b.r., tanks	gal.	.10 - —
362-456 b.r., tanks	gal.	.10 - —
East Coast, N. J., N. Y., tanks, refinery	gal.	.11 - —
Group 3, tanks, refinery	gal.	.07½- —
Gulf coast, tanks	gal.	.07¾- —
tankwagon, Baltimore	gal.	.14½- —
Boston	gal.	.13 - —
Buffalo	gal.	.13½- —
Camden, N. J.	gal.	.11½- —
Chicago	gal.	.1460- —
Detroit	gal.	.1710- —
Kansas City, Mo.	gal.	.143 - —
Lancaster, Pa.	gal.	.13½- —
Newark	gal.	.12 - —
New York	gal.	.12 - —
Philadelphia	gal.	.13 - —
Pittsburgh	gal.	.13½- —
Providence	gal.	.15 - —
Rochester	gal.	.13½- —
St. Louis	gal.	.140 - —
Syracuse	gal.	.15½- —
Washington, D. C.	gal.	.14½- —
Wilmington, Del.	gal.	.13 - —
Naphtha, cleaners, California, tanks, San Francisco	gal.	.13 - —
East coast, N. J., N. Y., tanks, refinery	gal.	.11 - —
Group 3, tanks, refinery	gal.	.08¾- —
tankwagon, Newark	gal.	.15½- —
Chicago	gal.	.14¼- —
Detroit	gal.	.15½- —
New York	gal.	.13 - —
Philadelphia	gal.	.125 - —
St. Louis	gal.	.1470- —
high-solvency, No. 3, tanks, Paulsboro, N. J.	gal.	.16 - .29½
No. 30, tanks, same basis	gal.	.17 - .32
No. 40, tanks, same basis	gal.	.17½- .33
No. A-80, tanks, Carteret, N. J.	gal.	.21½- —
Chicago, Cincinnati, Detroit	gal.	.24 Nom.
No. B-90, tanks, all shipping points	gal.	.24½- —
No. F-80, tanks, Carteret, N. J.	gal.	.23 - —
V.M.&P., at refinery, California, 46.5, 254 l.b.p., 360 e.p., tanks, El Segundo	gal.	.12 - —
Richmond	gal.	.12½- —
Portland, Ore., Seattle, Wash.	gal.	.13 - —
64-77, 190 l.b.p., 310 e.p., Los Angeles	gal.	.11 - —
San Francisco	gal.	.11½- —
Portland, Seattle	gal.	.13 - —
E. Coast, N. J., N. Y., tanks, refinery	gal.	.12 - —
Gulf Coast (dlvd. New Orleans), tanks	gal.	.09¾- —
tankwagon, Boston	gal.	.14 - —
Chicago	gal.	.149 - —
Detroit	gal.	.169 - —
Milwaukee	gal.	.165 - —
Minneapolis	gal.	.164 - —
Newark	gal.	.13½- —
New York	gal.	.13 - —
Philadelphia	gal.	.13½- —
Pittsburgh	gal.	.14½- —
St. Louis	gal.	.159 - —
Solvent, rubber, at refinery, California, San Francisco tanks	gal.	.11½- —
East Coast, N. J., N. Y., tanks	gal.	.12 - —
Group 3, tanks	gal.	.09¾- —
Stoddard (C.S. 8-53), at refinery:—		
California (San Francisco), tanks	gal.	.12 - —
East Coast, N. J., N. Y., Group 3, tanks	gal.	.07½- —
Pennsylvania, western, tanks	gal.	.07¾- .08



IT'S TRUE...

THE LINER QUEEN ELIZABETH DISPLACES ABOUT THE SAME AMOUNT OF WATER THAT THE CITY OF BALTIMORE, MD. USES IN A DAY!



STANDARD OIL COMPANY OF NEW JERSEY
Elizabeth, N. J.—Baltimore, Md.—Richmond, Va.—Charleston, W. Va.—Charlotte, N. C.—Columbia, S. C.—New Orleans, La. Little Rock, Ark.—Memphis, Tenn.

STANDARD OIL COMPANY OF PENNSYLVANIA
Philadelphia, Pa.

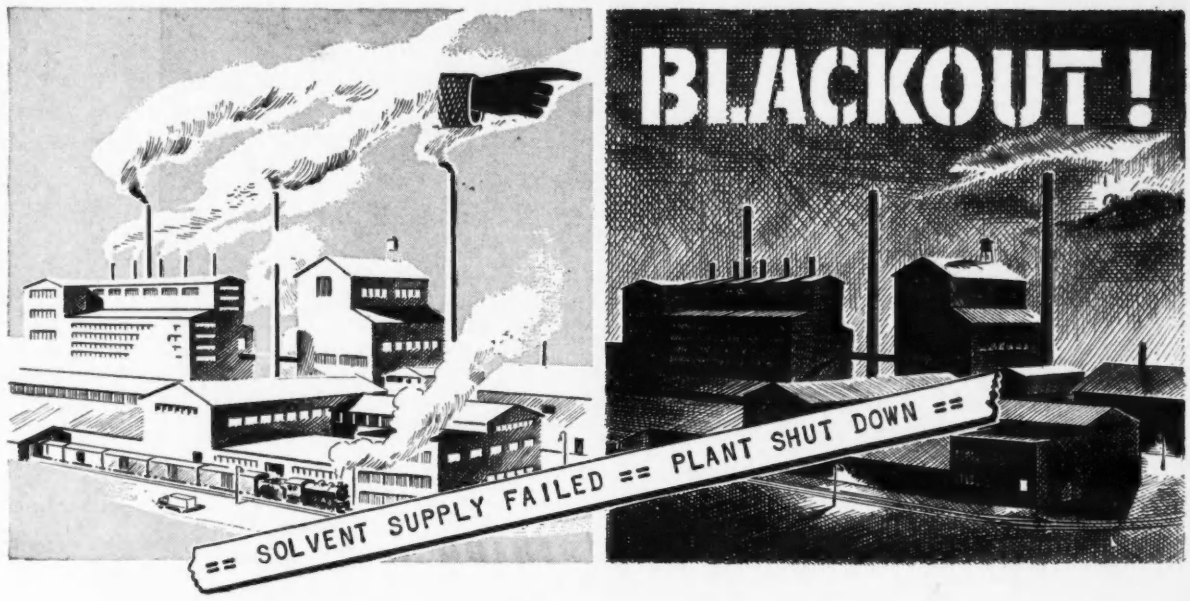
COLONIAL BEACON OIL COMPANY
Boston, Mass.—New York, N. Y.

IT'S TRUE OF ESSO SOLVENTS

THE TOTAL GALLONAGE OF **ESSO SOLVENTS** SOLD LAST YEAR WOULD FLOAT ALMOST 5 SHIPS THE SIZE OF THE QUEEN ELIZABETH!

Careful manufacturing control is the important factor in the production of Esso Petroleum Solvents. In this way we maintain the correct combination of physical attributes in any specific solvent. Hundreds of industries depend on the constant suitability and uniformity in solvents that the Esso trademark assures. See your Esso Representative next time you order.

Petroleum solvent, Steddard, tankwagen, Boston	gal.	.12 - —
Chicago	gal.	.14½- —
Detroit	gal.	.16½- —
Milwaukee	gal.	.15½- —
Minneapolis	gal.	.1540- —
Newark	gal.	.13½- —
New York	gal.	.12 - —
Philadelphia	gal.	.11½- —
Pittsburgh	gal.	.13 - —
St. Louis	gal.	.14½- —
Syracuse	gal.	.15½- —
Sulphonates, 65% sulphonic content, ret. dms., c.l., works	lb.	.09½- —
l.c.l., works	lb.	.09½- .10¾
tanks, works	lb.	.09½- —
50% sulphonic content, ret. dms., c.l., works	lb.	.09½- —
l.c.l., works	lb.	.09½- .10¾
tanks, works	lb.	.09½- —
Phenobarbital, dms., 100 lbs.	lb.	3.60 - —
Phenol, 90-92% (cresol, 8-10%), dms., c.l., wks., frt. equald.	lb.	.11 - .12¾
l.c.l., same basis	lb.	.11¾- .12
tanks, same basis	lb.	.10 - .10½
82-86% (cresol, 16-18%), dms., c.l., same basis	lb.	.11 - .11¾
l.c.l., same basis	lb.	.11¾- .12
tanks, same basis	lb.	.10 - .10½
USP, dms., c.l., same basis	lb.	.11¼- .12
l.c.l., same basis	lb.	.12 - .12¾
tanks, same basis	lb.	.10¼- .11¾
Phenolphthalein, USP, bbls., dms., 2,000 lbs.	lb.	.85 - —
smaller lots	lb.	.87 - .92
Yellow, fib. dms., 2,000 lbs.	lb.	.80 - —
smaller lots	lb.	.82 - .87
Phenothiasin, NF, fib. dms., ton lots or more, works	lb.	.49 - —
smaller lots, works	lb.	.54 - —
Phenylacetaldehyde solution, 50%, bots.	lb.	2.35 - 2.50
pure, bots.	lb.	4.00 - 5.15
Phenylethyl acetate, dms.	lb.	2.15 - 3.00
Phenylethylphenyl acetate, bots.	lb.	5.35 - 7.50
Phenylhydrasin base, CP, bots.	lb.	4.55 - —
Hydrochloride, CP, bots., works.	lb.	7.10 - —
commercial, kgs., works	lb.	1.75 - —
Phloroglucinol, CP, fib. dms.	lb.	13.75 -14.75
tech., fib. dms.	lb.	12.00 -12.65
Phosgene, ton lots, works	lb.	.19 - —
Phosphate, defluorinated (see under D).		
Phosphate rock, Fla., land pebble unground, run-of-mine, washed, dried, 68%-66% b.p.l., bulk, car at mine, c.l.	long ton.	2.60 - —
70%-68%, same basis	long ton.	3.00 - —
72%-70%, b.p.l., same basis	long ton.	3.60 - —
75%-74%, b.p.l., same basis	long ton.	4.60 - —
77%-76%, b.p.l., same basis	long ton.	5.60 - —
entirely pebble 50c. per ton higher than above prices.		
finely ground, 65.5% b.p.l., 30% P_2O_5 minimum	short ton.	3.15 - —
68%, b.p.l., basis 31% P_2O_5 minimum	short ton.	3.35 - —
70%, b.p.l., basis 32% P_2O_5 minimum	short ton.	3.70 - —
Tennessee, brown, unground, run-of-mine, 70-68% b.p.l., 5½% i. & a., same basis	long ton.	5.50 - —
72%-70%, b.p.l., 5½% i. & a., same basis	long ton.	6.00 - —
28% P_2O_5, same basis	long ton.	5.15 - —
30% P_2O_5, same basis	long ton.	5.35 - —
finely ground, 31% P_2O_5, same basis	short ton.	5.45 - —
32% P_2O_5, same basis	short ton.	5.70 - —
33% P_2O_5, same basis	short ton.	6.20 - —
Phosphorus, red amorphous, cs.	lb.	.33 - .35
tins, export	lb.	.55 - —
yellow, cns.	lb.	.25 - .27
dms., c.l.	lb.	.22 - —
Oxychloride, dms., c.l.	lb.	.10½- —
Pentoxide, dms., c.l., works	lb.	.12 - —
l.c.l., works	lb.	.13 - .14
Sesquisulphide, tons, cs.	lb.	.26 - .27
Trichloride, dms., c.l.	lb.	.10½- —
l.c.l.	lb.	.12½- .15
Phthalamide, bbls., works	lb.	.35 - .40
kgs., works	lb.	.45 - .50
Phthalic anhydride, bgs., bbls., c.l., works, frt. alld. E. of Denver	lb.	.14½- —
l.c.l., same basis	lb.	.15½- —
Pichi leaves, bgs.	lb.	.07 - .08
Picoline (see Alphapicoline and Betapicoline).		
Picrotoxin, bots.	oz.	5.00 - —
Pilocarpine hydrochloride, USP, bots., vials	oz.	5.25 - 6.50
Nitrate, bots., vials	oz.	5.15 - 6.25
Pimento, Jamaica, bgs.	lb.	.24½- .25
Pinetar, retort, dms., incl., c.l., divd. E.	gal.	.46 - —
l.c.l., works, dms., incl. gal.		.45½- —
l.c.l., whse., N.Y.C., dms. incl.	gal.	.32 - —
tanks, divd. E.	gal.	.37½- —
Pinkroot, bls.	lb.	1.00 - 1.05
Piperazine hexahydrate, bots.	lb.	16.00 -17.00
Pitch, burgundy (see B).		
Coaltar, 160° m.p., bbls., c.l., works	ton.	20.00 - —
l.c.l., works	ton.	24.20 - —
Cottonseed, dms., works	lb.	.10½- .10¾
Hardwood, paper bgs., works	lb.	.04 - —
Linseed, dms.	lb.	No prices
Petroleum (see Asphaltum, Mexican, Texas).		
Pine, dms.	100 lbs.	6.50 - —
stands, 200 lbs.	stand.	6.00 - —
Soybean, dms., works	lb.	.10¼- .10½
Plaster of paris (see Gypsum).		
Podophyllin, dms.	lb.	12.25 -12.50
Pokeroot, bls.	lb.	.16 - .17
Polystyrene, plain colors, dms., 30,000 lbs., works, frt. alld.	lb.	.22 - —
20,000 lbs., frt. alld.	lb.	.23 - —
smaller lots, frt. alld.	lb.	.24 - .26
Water-clear, polystyrene, 1c. per lb. less than plain colors.		
Pomegranate, root bark, bgs.	lb.	.75 - .76
Poppy flowers, bls.	lb.	.60 - .70
Seed, Argentine, bgs.	lb.	.19½- .20
Danish, bgs.	lb.	.20½- .21
Dutch	lb.	.23½- .24
Swedish, bgs.	lb.	.21 - .21½
Turkish, bgs.	lb.	.21 - .21½
Potash abietate	lb.	.08 - —
Acetate, USP, dms.	lb.	.28 - .33
Arsenite, USP, solut., cbys., djns.	lb.	No prices
Bicarbonate, USP., cryst., gran., dms.	lb.	.20 - —
powd., dms.	lb.	.22 - —
Potash bichromate, bgs., c.l., works	lb.	.10¾- —
l.c.l., works	lb.	.10¾- .11¼
Potash bichromate in bbls., ¼c. higher.		
Borate, gran., bbls., c.l., works, ton lots, works	ton.	209.00 - —
less ton lots, works	ton.	218.50 - —
Bromide, USP, cryst., gran., 500-lb. bbls., dms.	lb.	.23 - .26
Carbonate, calcined, bbls., c.l., works	lb.	.07½- —
l.c.l., same basis	lb.	.07½- —
hydrated, 83-85%, bbls., c.l., works	lb.	.05¾- —
dms., l.c.l., same basis	lb.	.06 - —
USP, gran., bbls., dms.	lb.	.14 - .20
powd., bbls., dms.	lb.	.19 - .21
Caustic, low-chloride, 90% basis, flake, dms., c.l., works	100 lbs.	9.21 - —
l.c.l., works	100 lbs.	9.65½- —
liquid, dms., c.l., works	100 lbs.	8.56 - —
l.c.l., works	100 lbs.	8.95½- —
tanks, works	100 lbs.	8.06 - —
solid	100 lbs.	8.56 - —
l.c.l., works	100 lbs.	8.95½- —
regular, flake, 88-92%, dms., c.l., works	lb.	.07½- —
l.c.l., works	lb.	.07¾- .08
liquid, 45% basis, dms., c.l., works, frt. alld.	lb.	.0337½-
l.c.l., same basis	lb.	.03625- .04
tanks, same basis	lb.	.03½- —
solid, 88-92%, dms., c.l., works	lb.	.06¾- —
l.c.l.	lb.	.06¾- .06¾
Chromate, bgs.	lb.	.24 - .26
Chlorate, cryst., kgs., c.l., works	lb.	.11 - .11½
l.c.l., works	lb.	.119 - .130
powd., dms., kgs., c.l., works	lb.	.0975- —
l.c.l., works	lb.	.119 - .130
export, 1 to 10 tons, kgs., ex whse.	lb.	.16 - .18
Potash chloride, tech., cryst., 98%, bgs., kgs.	lb.	.08 Nom.
Citrate, USP, gran., bbls., dms.	lb.	.83½- .88½
powd., 3c. per lb. higher.		
Cyanide, dms., works	lb.	.55 - —
Fluoride, bbls.	lb.	.34 - .40
Glycerophosphate, 75% solution, cbys.	lb.	2.30 - —
Guaiacsulphonate, NF, dms.	lb.	1.65 - 1.75
Hydroxide, USP, sticks, dms.	lb.	.34 - .36
Hypophosphite, cns.	lb.	.72 - .75
Iodide, dms.	lb.	1.75 - 1.78
Manure salt, 22% K_2O, Carlsbad, N. M.	unit-ton.	.20 - —
25% K_2O, same basis	unit-ton.	.21 - —
Metabisulphite, gran., bbls.	lb.	.19 - .21
powd., bbls.	lb.	.25 - —
Muriate, dom., 60-62-63% K_2O, bulk, ex vessel ports	unit-ton.	.53½- —
granular, 60-52% K_2O, ex vessel U. S. ports	unit-ton.	.53½- —
Domestic muriate of potash prices, basis f.o.b. Carlsbad, N. M. are 11.2c. per unit of K_2O less than ex vessel price, basis Trona, Cal.; 8c. per unit of K_2O less than ex vessel price at Pacific coast ports.		
Nitrate (see Saltpeter).		
Oxalate, neutral, pure, gran., bbls., dms.	lb.	.27 - .30
tech. fine gran., bbls., dms.	lb.	.28 - .31
Perchlorate, kgs., works	lb.	.10 - .11
Permanganate, tech., dms., works	lb.	.20¾- .21¼
USP, dms., works	lb.	.22½- .23
Persulphate, dms., c.l. works, lb	lb.	.16 - —
l.c.l., same basis	lb.	.20 - —
Phosphate, tetrabasic, bbls., works	lb.	.13 - .13½
Potash prussiate, red, kgs.	lb.	.55 - .58
Yellow, bbls.	lb.	.19 - —
Ricinoleate, tech., bbls.	lb.	.13 - —
Silicate, glass, bgs., c.l. works, ton	ton.	200.00- —
l.c.l.	100 lbs.	15.25 - —
solution, 29° Be. ret. drums, c.l., works	100 lbs.	4.25 - —
l.c.l., 5 or more, works	100 lbs.	5.00 - —
1-4, works	100 lbs.	5.50 - —
32° Be, ret. dms., c.l., works	100 lbs.	4.75 - —
l.c.l., 5 or more, works	100 lbs.	5.50 - —
1-4, works	100 lbs.	6.00 - —
40.5° Be, ret. dms., c.l., works	100 lbs.	5.75 - —
l.c.l., 5 or more, works	100 lbs.	6.50 - —
1-4, works	100 lbs.	7.00 - —
Sulphate, NF, gran.	lb.	.14 - .20
powd., bbls.	lb.	.15 - .21
tech., dom., bulk,* basis 90-95% K_2O_4, min. 90%, ex vessel Atlantic or Gulf ports	ton.	36.25 - —
West coast potash ports, same basis	ton.	39.25 - —
Sulphocyanide, cryst., N.F., dms.	lb.	.62 - .70
Triocyanate (see Potash sulphocyanide).		
Xanthate, dms., c.l.	lb.	.13 - —
Potash-magnesia sulphate, bulk, min., 40% K_2SO_4 18.50% MgO, ex vessel, ports	ton.	26.00 - —
Potash-soda ferricyanide, kgs., works	lb.	.40 - .42



A LESSON ON THE VALUE OF SKELLY'S

Dependability of Supply!

"DOC" MacGEE SAYS: Maybe the possibility of a delivery failure in your solvent supply . . . due to some unforeseen shortage . . . seems remote to you. Perhaps such a solvent shortage has never caused a temporary shutdown in any department of your plant. But the mere fact that the possibility does exist, and that shutdowns of this nature do occur, makes *extra precaution* only sensible. That is why so many solvent users have come to place a high value upon Skellysolve's *dependability of supply*.

Other things are important, too, of course. Purity, uniformity, close boiling ranges, freedom from foreign tastes and odors . . . all these we guard with unceasing vigilance.

Skellysolve's *dependability of supply*, however, is something else. We are proud of our record in supplying various types of special fractions, unfailingly, without regard to weather, season, or rush of previous orders. We have our own facilities for producing, purifying, fractionating, handling, storing, and transporting extra quality naphthas that are unsurpassed in the field. Solvents are our *business*. We have pioneered many of the developments in the field of special naphthas. And we are in the business to stay!

So, if some failure of your solvent supply would be a serious matter in your plant, we suggest that you give Skellysolve a trial. We're sure that, whether you judge your solvent on quality of product, promptness of service, or dependability of supply, you'll be *satisfied* with Skellysolve!

SKELLYSOLVE
In the Ink, Paint, and Drug Field

Skellysolve meets every special naphtha quality needed in this field . . . purity, uniformity, close boiling ranges, low evaporation, etc. That is why you can rely on every Skellysolve. There is one with special qualities for production of paint, varnish, oilcloth, ink, linoleum, and other related products . . . as well as for laboratory use. For instance, there is a full line of V. M. & P. naphthas, mineral spirits, and lacquer diluents, plus other special hydrocarbons. And, for help on your particular problems, remember to use the services of Skellysolve Technical Fieldmen.

SKELLY

Skellysolve

SOLVENTS DIVISION, SKELLY OIL COMPANY, KANSAS CITY, MO.

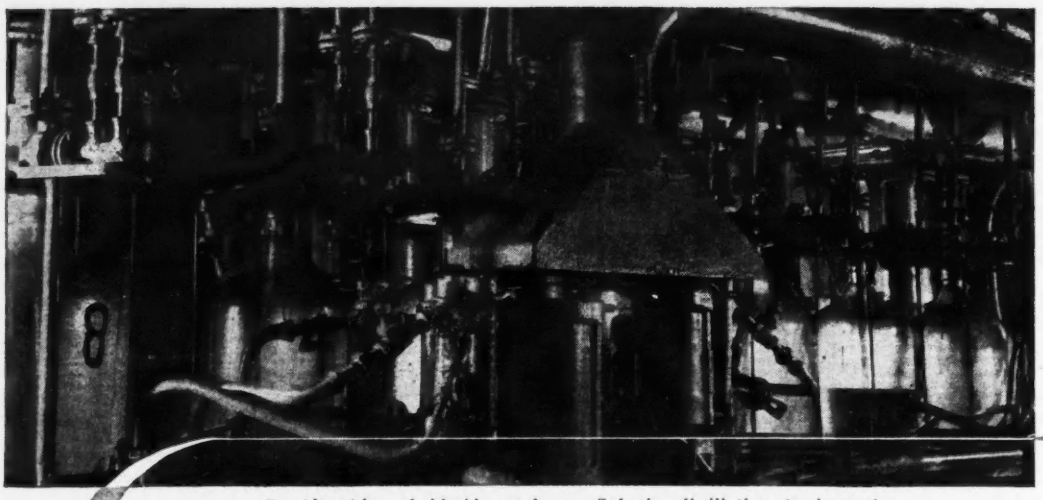
Potash-titenium oxalate, bbls., dms..lb. .45 - .50
Prickly ash bark, bls.....lb. .40 - .45
Berries, bgs. .....lb. .50 - .60
Prince's pine herb, bls.....lb. .60 - .65
Procaine hydrochloride, cns., 100-lb. lots..lb. 5.00 - —
Propane, industrial grade, tanks, Group 3..gal. .03¾- —
Propyleneglycol, dms., c.l., frt. alld. in E..lb. .15½- —
l.c.l., same basis.....lb. .16½- —
tanks, same basis.....lb. .14½- —
Psyllium seed (see Fleaseed).
Pulsatilla, bls. .....lb. .60 - .65
Pumice, grd., fine, bgs., ten lots. lb. .03¾- —
smaller lots .....lb. .03¾- .04
coarse, 0½, 1, 1½, 2, 3, bgs., ton lots..lb. .03¾- —
smaller lots .....lb. .03¾- .04¼
Chl., ton lots .....lb. .04½- —
Pumice in bbls. is ½c. per lb. higher.
Pumpkin seed, bgs. .....lb. .27 - .30
Purple lake (see Red).
Putty, com'l dms.....100 lbs. 5.15 - —
linseed oil, raw, dms..100 lbs. 5.00 - —
refined, dms. .....100 lbs. 5.50 - —
standard, dms.....100 lbs. 4.20 - —
Pyrethrum, concentrate, dewaxed, 20% for aerosol bombe, dms., works..lb. 9.25 - 9.50
liquid (20 to 1), basis 2 grams pyrethrins for 100 cc., dms., regular base, works..gal. 6.65 - —
odorless base, dms., works, gal. 6.75 - —
(30 to 1), base 2 grams pyrethrins, per 100 cc., bbls., works..gal. 10.00 - —
Pyrethrum, flowers, fine-grd., 0.9% pyrethrins, bbls., works..lb. .23½- —
powder, 0.6% pyrethrins, bbls., works..lb. .26 - —
Pyridin, denaturing, ret. dms., works, frt. equald..gal. 1.55 -1.60
refd., 2°, ret. dms., same basis. lb. .56 - .55½
Pyridoxin, 100-gram lots....kilo. 750.00 - —
Pyrites, Spanish, c.i.f. Atl. ports, long ton. 8.00 -10.00
Pyronate, dms., c.l., dlvd. E. of Miss..gal. .70 - —
l.c.l., works.....gal. .70 - —
tanks, dlvd., E. of Miss....gal. .60 - —
Pyronate prices W. of Miss. 3c. per gal. higher.
Pyrocatechin (see Catechol).
Pyrophyllite, standard, 200 mesh, c.l., bulk, mines..ton. 10.00 -11.50
325 mesh, same basis....ton. 13.00 -15.00
No. 3, 200 mesh, c.l., mines, ton. 9.50 - —
325 mesh, same basis....ton. 11.50 - —
Pyrophyllite in paper bags, $1.50 per ton extra.
Pyroxylin, scrap, opaque, amber, cs., works..lb. .17 - —
black, cs., works.....lb. .17 - —
gray, cs., works.....lb. .17 - —
mixed mottled, cs., wks. lb. .14 - —
white, China, ivory, cs., wks. lb. .17 - —
dense, cs., works.....lb. .17 - —
translucent, pastels, cs., works..lb. .17 - —
transparent, cs., works....lb. .19 - —
colors, cs., works.....lb. .17 - —
shavings, amber, cs., works, lb. .17 - —
mixed colors, cs., works..lb. .14 - —
white, cs., works.....lb. .17 - —

Q

Quassia chips, bls.....lb. .08 - .09
Quebracho extract, solid, 63% tannin, bgs., c.l., ex dock, in bond..lb. .07½- —
clarified, 64% tannin, bgs., c.l., same basis..lb. No prices
35% tannin, bbls., works, lb. No prices
tanks, works.....lb. No prices
ground, 70% tannin, bgs., c.l. lb. No prices
l.c.l. .....lb. No prices
Quebracho extract prices based on $20 freight and $1.00 insurance per long ton.
Queen of the meadow root, bgs. lb. .12 - .15
Quercitron crystals, bbls.....lb. .25 - —
Extract, No. 1, bbls.....lb. .15 - —
solid, bxs. .....lb. .28 - —
Quicksilver, flasks (76 lbs. net) flask 68.00 -90.00
Quince seed, bgs.....lb. 1.50 - 1.75
Quinidine, NF V, cryst., cns. oz. No stocks
powd., precip., cns.....oz. No stocks
Sulphate USP, cns. .....oz. No stocks
Quinine, NF, cns., 100 ozs..oz. No stocks
Acetate, cns., 100 ozs.....oz. No stocks
Arsenate, cns., 100 ozs.....oz. No stocks
Arsenite, cns., 100 ozs.....oz. No stocks
Bisulphate, USP, cns., 100 ozs. oz. No stocks
Dihydrobromide, bots., 50 ozs. oz. No stocks
Citrate, cns., 100 ozs.....oz. No stocks
Ethylcarbonate, USP, cns., 100 ozs..oz. No stocks
Ferrocyanide, cns., 100 ozs.oz. No stocks
Formate, cns., 100 ozs.....oz. No stocks
Glycerophosphate, cns., 100 ozs. oz. No stocks
Quinine hydrochloride, USP, cns., 100 ozs..oz. .89¾- —
Hydrochlorosulphate, cns., 100 ozs..oz. No stocks
Hydriodide, cns., 100 ozs..oz. No stocks
Hypophosphite, cns., 100 ozs.oz. No stocks
Phosphate, NF, cns., 100 ozs.oz. No stocks
Salicylate, NF, cns., 100 ozs.oz. No stocks
Sulphate, USP, cns., 100 ozs.oz. .89¾- —
Sulphocarbolate, cns., 100 ozs. oz. No stocks
Tannate, USP X, cns., 100 ozs. , oz. No stocks
Tartrate, cns., 100 ozs.....oz. No stocks
Valerate, NF IV, 100 ozs..oz. No stocks
Quinine-urea hydrochloride, USP, cns..oz. No stocks
Quinoline, dms., c.l., works...lb. .22 - .30

R

R salt, dry, bbls.....lb. .25 - —
paste, dms.....lb. .23 - —
Raspberries, dried, bls.....lb. 2.30 - 2.35
Red, alizarin lake, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. R., including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis...lb. 1.10 - 1.90
Prices ¼c. per lb. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex. (Dallas, Ft. Worth, 1¼c.) (El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. per lb. higher dlvd. Pacific Coast prices equaled with Chicago dlvd. Denver Pueblo, Salt Lake City, Wichita.
Cadmium lithopone, deep shade, bbls., frt. alld. E. of Rockies..lb. 1.05 - 1.80
light shade, bbls., same basis..lb. .90 - 1.15
maroon, bbls., same basis. lb. 1.15 - 1.25
medium shade, bbls., same basis..lb. 1.00 - 1.10
medium-light shade, bbls., same basis..lb. .95 - 1.05
Orange-red, bbls., same basis..lb. .95 - 1.00
Red cadmium lithopone, all shades, in smaller pkgs. 5c. per lb. higher; all prices are 1c. per lb. higher ex whse., Los Angeles and San Francisco.
Carmine, No. 40, dms., bulk, works..lb. 5.50 - —
smaller lots, same basis..lb. 6.10 - —
Crocus martis (see Red, purple, oxide).
Dyes (see Dyes, coaltar).
Eosin toner, bbls., works.....lb. 1.35 - —
Firetoner, dom., bbls., works.lb. .88 - .98
Indian, dom., pure, bgs., Bethlehem, Easton, E. St. Louis, N. Y..lb. .09 - .09¼
50-55%, bgs., same basis..lb. .07¼- .07¾
imp., English, all shades..lb. .12 - —
Iron oxide, pure, bbls.....lb. .09½- .09¾
reduced, 85% copperas oxide, bbls., l.c.l., Bethlehem, Pa., Copley, O., Easton, Pa., and E. St. Louis..lb. .06¾- —
80% copperas oxide, bbls., same basis..lb. .085 - .094
Lacquer, maroon, bbls., works. lb. 1.25 - —
Lake C toner, alizarin, bbls., works..lb. 1.05 - —
Lithol toner, alizarin, lake, bbls., works..lb. .70 - —
Pink, bbls., works.....lb. .20 - .25
Rose lake, bbls., works....lb. .25 - .30
Lithol-rubin toner, alizarin lake, bbls., works..lb. 1.30 - —
Maroon, alizarin lake, 25%, kgs., works..lb. .40 - —
Cadmium, bbls., works.....lb. 1.10 - —
deep, bbls., same basis..lb. 1.20 - —
Maroon, in smaller pkgs., 5c. per lb. higher.
Mercury oxide, tech., bbls., 10,000 lbs., works..lb. 2.60 - —
smaller lots, works...lb. 2.62 - —
Metallic, bbls., works.....lb. .62 - —
Oxide (see Red, iron oxide).
Para toner, chlorinated, kgs. lb. .97 - —
concent., alizarin lake, kgs., works..lb. .80 - —
Persian (see Orange).
Phloxin toner (see Red, eosin toner).
Phosphotungstic, rhodamine, Y, kgs., works..lb. 4.15 - —
Purple lake, kgs.....lb. 1.60 - —
Scarlet ink toner, kgs., works. lb. .58 Nom.
Spanish oxide, grade 1, c.l., bbls..lb. .04¾- .07¾
Toluidin toner, alizarin lake, kgs., works..lb. 1.25 - —
MNPT maroon toner, kgs., works..lb. 2.25 - —
Turkey, bbls., works.....lb. .14½- —
Tuscan, bbls., E. St. L.....lb. .11 - —
Venetian, 15%, bgs., works...lb. .02¾- —
20%, bgs., works.....lb. .03 - —
25%, bgs., works.....lb. .03¼- —
30%, bgs., works.....lb. .03¾- —
35%, bgs., works.....lb. .03¾- —
40%, bgs., works.....lb. .04 - —
Vermillion, Amer., bbls.....lb. .23¼- .40
Quicksilver, bbls.....lb. 2.50 - 2.65
Red precipitate, NF, powd., fib. dms..lb. 2.17 - 2.19
Red saunders wood, grd., bbls. lb. .25 - —
Resorcinol, tech., dms., works. lb. .63 - —
USP, cryst., dms., works....lb. 1.70 - —
Rhatany root, bgs.....lb. .14 - .18
Rhubarb, whole, cs.....lb. 1.35 - 1.40
powd., bbls. .....lb. 1.40 - 1.45
Riboflavin bots.....kilo. 300.00 - —
Rice bran concentrate, dms., Cedartown, Ga., or Emeryville, Calif., seller's option. lb. .19 - —
Rochelle salt, gran., powd., bbls., 5,000 lbs., 1 ship't..lb. .24½- —
smaller lots.....lb. .25 - —
Rose flowers, pale, bls.....lb. .23 - .24
Rosemary flowers, bls.....lb. 1.35 - 1.42
Leaves, French, bls.....lb. .13 - .14
Portuguese, bls.....lb. .09¾- .10
Spanish, bls.....lb. .12½- .13
Resin, gum (see Naval Stores, Protective Coatings market).
Wood, B (resin) dms., c.l., works..100 lbs. 5.00 - —
FF, dms., c.l., works.100 lbs. 6.50 - —
G, H, I, dms., c.l., works, 100 lbs. 7.30 - —
K, dms., c.l., works..100 lbs. 7.30 - —
M, dms., c.l., works..100 lbs. 7.35 - —
N, dms., c.l., works..100 lbs. 7.40 - —
WG, dms., c.l., works.100 lbs. 7.45 - —
WW, dms., c.l., works.100 lbs. 7.50 - —
X, dms., c.l., works..100 lbs. 7.60 - —
Rotenone, bbls., works.....lb. 12.05 -14.50
extract, liq., dms., works..... per unit. 1.15 - —
powder (see Cube root).
Rottenstone, bgs., c.l., mines.. ton. 25.50 - —
l.c.l., mines.....ton. 27.50 - —
Rue, bls.....lb. .45 - .46



Samples of benzyl chloride are drawn off during distillation, for inspection and test, to assure conformity with Hooker high purity specifications.

For Compounds Containing $C_6H_5CH_2$— Use Hooker Benzyl Chloride

The list of chemicals that can be made with Benzyl Chloride includes almost every compound that contains the $C_6H_5CH_2$–group.

Benzyl Chloride is so reactive that it will give up its benzyl group in many different types of reactions. Friedel Crafts reactions are readily carried out, a typical one being the preparation of diphenyl methane by reacting benzyl chloride and benzene in the presence of aluminum chloride.

It may be reacted with alcohols to produce mixed ethers.

An example of the introduction of the benzyl group into an amino compound is its reaction with aniline to form benzyl aniline.

The benzyl group replaces sodium in reactions of benzyl chloride with sodium cyanide or sodium sulfhydrate.

Esters are readily prepared by reacting the sodium salt of the acid with benzyl chloride.

For uniform results without operating difficulties be sure to use Hooker Benzyl Chloride. Hooker maintains careful control of manufacture and strict adherence to high standard specifications to make sure that all shipments are up to the same uniform high purity.

TYPICAL DATA

BENZYL CHLORIDE
(omega chlortoluene) $C_6H_5CH_2Cl$

DESCRIPTION:
Clear, colorless to light yellow liquid having a pungent odor. Infinitely miscible with alcohol and ether; immiscible with water.

PHYSICAL DATA:
Ml. Wt. 126.5
F. P. ..... —43°C
B. R. ..... 5° or less incl. 179.4°C

USES:
In manufacture of chemical intermediates, dyestuffs, perfume bases, plasticizers, resins, wetting agents, rubber accelerators, gasoline, gum inhibitors, pharmaceuticals.

For further information on Hooker Benzyl Chloride and other Hooker intermediates ask for Bulletin 320 on your company letterhead.

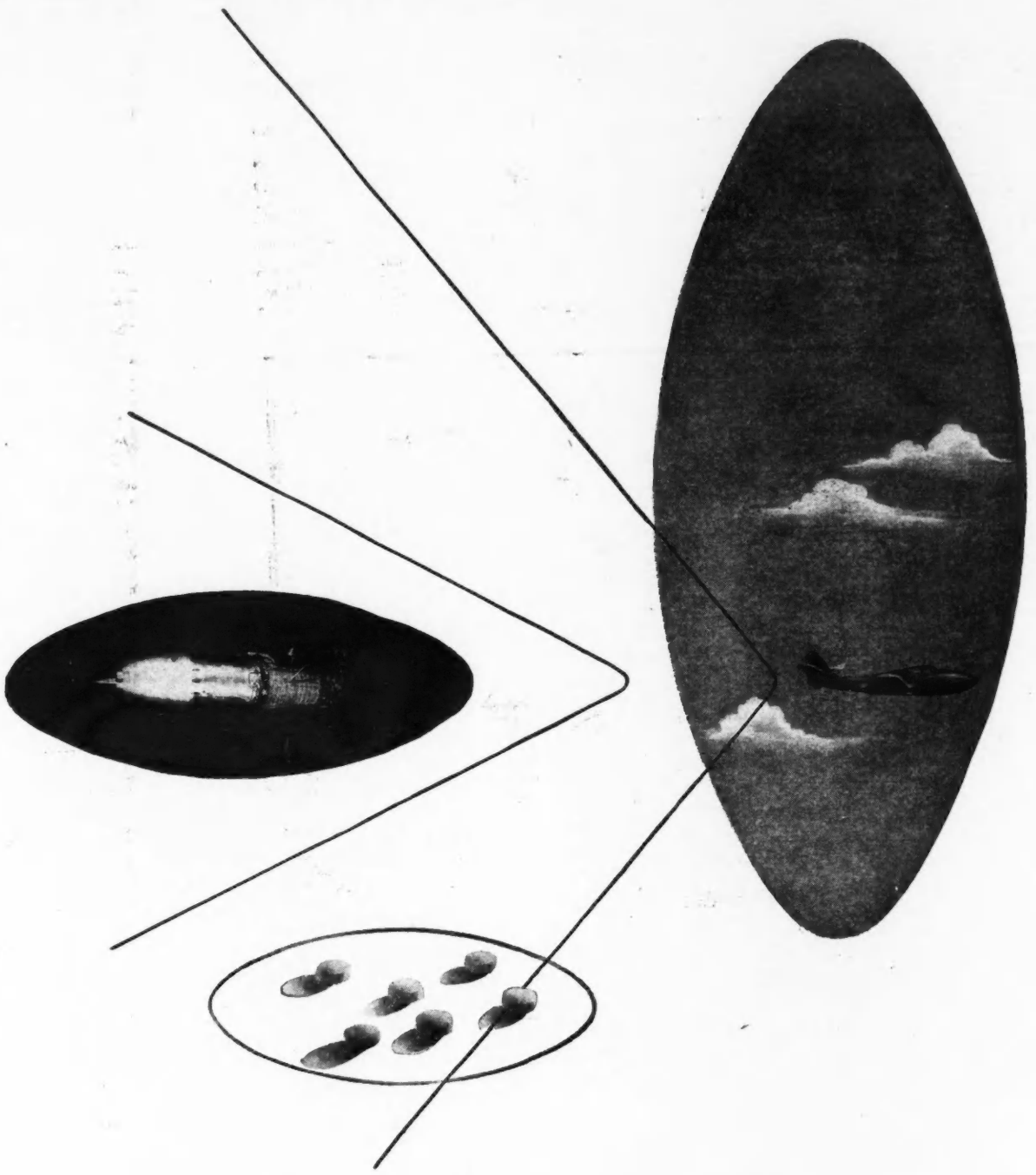
From the salt of the earth

HOOKER ELECTROCHEMICAL COMPANY
1 FORTY-SEVENTH ST., NIAGARA FALLS, N. Y.
New York, N.Y. Wilmington, Calif. Tacoma, Wash.

HOOKER CHEMICALS

Caustic Soda Paradichlorbenzene Muriatic Acid Chlorine Sodium Sulfide Sodium Sulfhydrate

dynamic **medicinals** *for a dynamic age*



the reaction motor

Raw force, unleashed by the jet, is skirling across the sky in an age of speed undreamed. The faster jet motors go the more power they develop. They offer vibrationless superpower with cheaper fuels, along with simplicity of control.

yet there is nothing new about jet propulsion
except its application

reaction motor—Westinghouse

the tablet

Dynamic Strong Cobb manufacture with ultramodern machinery produces tablets at jet-like speeds for private formula owners. Each triple-punch 25-head rotary press has a potential of 2,000,000 tablets a day. Savings made possible by dynamic manufacture are offered to clients.

Liquids, tablets, capsules and creams have tomorrow's precision control engineered into them by Strong Cobb's dynamic production.

Whether you are considering immediate or future production our technical sales director will be pleased to talk over your manufacturing problems with you.

Strong Cobb & Company, Inc.

Strong Cobb Division of Standard Brands Incorporated
Cleveland 4, Ohio

S

Sabadilla seed, powd., bbls....lb. .85 - .70
activated, ground with lime, bbls..lb. .85 - .84
Saccharin, insoluble and soluble, 1,000 lbs. and up..lb. 1.30 - 1.35
smaller lots .....lb. 1.40 - 1.60
Saffron, Mexican, bls. .....lb. 1.00 - 1.05
Spanish, USP, tins.....lb.30.00 -30.00
Safrol, cns. .....lb. 1.10 - 1.15
Sage, Cyprus, good, bls.....lb. .22 - .23
futures .....lb. .19 - .19½
Dalmatian, bls.....lb. .36 - .37
Greek, ¼s. .....lb. .29 - .29½
Palestine, bls. .....lb. .16 - .16½
Spanish, bls.. .....lb. .15 - .15½
Syrian, bls. .....lb. .25 - .25½
Sage flour, bgs. .....lb. .10 - .13
Salicin, bots., ¼ lbs. .....lb. No stocks.
cns., 25 lbs. .....lb. No stocks.
Saligenin, dms., works.....lb.15.00 -20.00
Salol, gran., bbls., kgs.....lb. .90 - —
fib. dms. .....lb. .82 - .86
Powdered salol, 10c. higher.
Salt, rock, bgs., c.l.....ton.15.50 - —
l.c.l., bgs. .....ton.20.00 - —
vacuum, common, fine, bgs., c.l..ton.16.90 - —
l.c.l., ...ton.23.40 - —
Saltcake, dom., bulk, works..ton.20.00 -26.00
Chrome (see Chrome cake).
Saltpeter, dbl. ref., gran., bbls., 10 ton lots...100 lbs. 8.20 - —
smaller lots .....100 lbs. 8.35 - 9.00
powd., bbls., 10-20 ton lots.. 100 lbs. 9.30 - —
smaller lots .....100 lbs. 9.35 - 9.60
Sanguinarine nitrate, bots.....oz. 5.75 - —
Santonin, cryst., powd., cns.kilo.170.00 -185.00
Saponin, No. 1, cns.....lb. 1.75 - 1.90
No. 2, cns. .....lb. 1.40 - —
Sarsaparilla root, dom., bls...lb. .45 - .50
Honduras, bls.....lb. .55 - .56
Mexican, bls.....lb. .60 - .65
Sassafras bark, ord., bls.....lb. .45 - .50
select, bls. .....lb. .65 - .70
Savory, Spanish, bls.....lb. .21 - .21½
Saw palmetto berries, bgs....lb. .24 - .25
Scammony resin, lump, cns...lb. 1.80 - —
powd., cns. .....lb. 1.85 - —
Root, bgs. .....lb. .10 - .12½
Schaeffer's salt, bgs. .....lb. .09 - —
Seidlitz mixture, bbls., 5,000 lbs., 1 shipment..lb. .27½- —
smaller lots .....lb. .28½- —
kegs, 5,000 lbs., 1 shipm't..lb. .28¾- —
smaller lots .....lb. .29¾- —
Selenium, pwd., cns., 10-lb. lots..lb. 1.85 - —
cs., 1,000-lb. lots.....lb. 1.75 - —
Senega root, bls.....lb. 2.65 - 2.75
Senna leaf, Alex., half-leaf, bls. .....lb. .27 - .28
siftings, bgs.....lb. .24 - .25
Tinnevelly, No. 1, bls.....lb. .24 - .25
2, bls. .....lb. .23 - .27
3, bls. .....lb. .20 - .24
powd., bbls., bgs.....lb. .24 - .29
Pods, bls.....lb. .24 - .31
Serpentaria root, bls.....lb. No stocks
Shellac, bleached, bonedry, bbls., 1,500-lb. lots..lb. .71 - —
Boston .....lb. .72 - —
Chicago .....lb. .72½- —
Pacific coast.....lb. .74½- —
refined, bbls., 1,500-lb. lot. .....lb. .73½- —
Boston .....lb. .73½- —
Chicago .....lb. .80 - —
Pacific coast.....lb. .83 - —
Benedry shellac sales of less than 1,500 lbs., at following additions to prices: (1) packed in bgs., ¾c. per lb.; (2) bbls., 1c. more; (3) kgs., 5c. more.
Superfine, 100 bgs., Boston, N.Y. .....lb. .72 - .73
Chicago .....lb. .73½- .75
Pacific coast.....lb. .75 - .76
Shellac, TN, 100 bgs., Boston, N. Y....lb. .67 - .68
Chicago .....lb. .67½- .69½
Pacific coast.....lb. .70 - .71
Shellac in cs., 2c. higher. Shellac sales 1 bg. or 1 cs., 5c. additional; 1 to 9 bgs. or cs., 3c. more; 10 to 99 bgs., cs., 1c. more.
Silica, amorph., dry-grd., 325 mesh, bgs., c.l., Ill. works. .....ton.17.00 - —
l.c.l. works.....ton.20.00 - —
400 mesh, bgs., c.l., works. .....ton.18.00 - —
l.c.l., works.....ton.19.00 -20.00
wet-grd., 325 mesh, bgs., c.l., works..ton.18.00 - —
l.c.l., works.....ton.21.00 - —
400 mesh, bgs., c.l., works. .....ton.20.00 - —
l.c.l., works.....ton.25.00 -30.00
96%-98%, 325 mesh, bgs., c.l., works..ton.20.00 - —
l.c.l., works.....ton.21.00 -22.00
99%, 325 mesh, bgs., c.l., works..ton.20.00 - —
l.c.l., works.....ton.22.00 -25.00
Hard-quartz, 99½%, 325 mesh, bgs., c.l., works..ton.15.00 - —
l.c.l., works.....ton.18.00 - —
140 mesh, bgs., c.l., works.. .....ton.11.00 - —
l.c.l., works.....ton.16.00 - —
Silicon tetrachloride, tech., dms., c.l., works..lb. .15½- —
l.c.l., works.....lb. .16½- .27
Silver bullion.....oz. .70¾- —
Cyanide, cns., 100 ozs.....oz. .75¾- —
Nitrate, bots., cns., 2,500-oz. lots..oz. .53¾- —
1,000-oz. lots.....oz. .54 - —
500-oz. lots.....oz. .54¼- —
single ounces.....oz. .54½- —
Neucleinate, USP, bots., dms., 1,000-oz. lots..oz. .390 - —
Proteinate, USP, bots., dms., 1,000-oz. lots..oz. .325 - —
Simarubra bark, bls.....lb. .87 - .89
Skullcap, Eastern, bls.....lb. .85 Nom.
Western, bls. .....lb. .30 - .35
Skunk cabbage root, bls.....lb. .45 - .50
Slate flour, bgs., c.l., works..ton.11.00 -12.00
l.c.l., ex whse.....ton.20.00 - —
Sloe berries, bgs.....lb. .40 - .41
Smalt, black, cns.....lb. .95 - .96
Blue, cns.....lb. .97 - .99½
Snakeroot, Canada, bls.....lb. .63 - .65
Soapbark, bls.....lb. .27 - .29
crushed, bls., bbls.....lb. .32 - .33
cut, imp., bbls.....lb. .32 - .35
powd., bbls.....lb. .30 - .31
Soda acetate, anhyd., dms., dlvd. .....lb. .06½- .10
cryst., NF, bbls., kgs.....lb. .14 - .16
tech., 60%, l.c.l., dlvd....lb. .05½- .06
Alginate, refined, water-soluble, bbls., works..lb. .79 - —
semi-refined, bbls., works..lb. .42 - —
white, powd., dms.....lb. 1.50 - 1.60
Alkylbenzene sulphate, dms., works..lb. .13 - —
Aluminate, for water treat., bgs., c.l., works..100 lbs. 7.50 - —
l.c.l., works.....100 lbs. 8.40 - —
other uses, bgs., c.l., works.. 100 lbs. 7.00 - —
l.c.l. .....100 lbs. 7.50 - 8.00
Antimoniate, bbls., dlvd.....lb. .16 - .16½
Arsenate, for water treat., dms., c.l., works..lb. .12 - —
l.c.l., works.....lb. .13½- .15½
Arsenite, grey, dms., dealers, c.l., works..lb. .10½- —
l.c.l., works.....lb. .13½- .15½
Soda arsenite, gray ¼c. higher in Chi., 2c. higher in Houston, Tex., and Palo Alto, Calif.
Ash, dense, 58%, bgs., c.l., 100 lbs. 1.28 - —
l.c.l., dlvd., zone 1.... 100 lbs. 2.62 - —
2 .....100 lbs. 2.75 - —
3 .....100 lbs. 2.13 - —
4 .....100 lbs. 3.73 - —
bbls., c.l., works, zone. 100 lbs. 1.68 - —
l.c.l., zone 1.....100 lbs. 3.02 - —
2 .....100 lbs. 3.18 - —
3 .....100 lbs. 3.58 - —
4 .....100 lbs. 4.13 - —
bulk, c.l., works...100 lbs. 1.08 - —
extra light, 58%, bgs., c.l.... 100 lbs. 1.30 - —
l.c.l., dlvd., zone 1.... 100 lbs. 2.65 - —
2 .....100 lbs. 2.80 - —
3 .....100 lbs. 3.15 - —
4 .....100 lbs. 3.75 - —
light, 58%, bgs., c.l., works.. 100 lbs. 1.20 - —
l.c.l., dlvd., Zone 1.... 100 lbs. 2.65 - —
2 .....100 lbs. 2.70 - —
3 .....100 lbs. 3.05 - —
4 .....100 lbs. 3.65 - —
bbls., c.l., works..100 lbs. 1.60 - —
l.c.l., dlvd., Zone 1.. 100 lbs. 2.65 - —
2 .....100 lbs. 3.10 - —
3 .....100 lbs. 3.45 - —
4 .....100 lbs. 4.05 - —
bulk, c.l.....100 lbs. 1.00 - —
Prices f.o.b. stock points in zones indicated. Minimum quantity 500 lbs. For less than 500 lbs., prices are ex-warehouse.
Soda ash sales zones are: (1) All States E. of Miss. R. and N. of south bound. of Ky. and Va.; also Ala., La., and Miss., S. of 31°, Tex. E. of 100°, S. of 31° Fla.; also Me., N. H., and Vt., in which there are special county zones; Davenport, Ia., and St. Louis; (2) Ark., E. of 98° Ga.; Iowa (except Davenport), Minn.; Mo. (except St. Louis), Neb. E. of 98°, N. C., S. C., Texas and Tex. N. of 31° and E. of 100° (except Wichita Falls); also Ala., La. and Miss. No. of 31°; (3) Ark. W. of 98°, Kans., Neb., W. of 98°, N. D., Okla., S. D., Tex., W. of 100° (including Wichita Falls excluding El Paso); (4) Ariz., Colo., Idaho, Mont., Nev., N. M., Utah, Wyo., and El Paso, Tex.

Benzoate, tech., bbls., 2 tons or more..lb. .39 - —
smaller lots.....lb. .40 - .41
USP, dms., 2 tons or more.lb. .46 - —
smaller lots.....lb. .47 - .50
Bicarbonate, USP, gran., bgs., c.l., works..100 lbs. 2.25 - —
l.c.l. .....100 lbs. 2.57½- 2.60
Bichromate, bgs., c.l., works.. .....lb. .06¾- —
l.c.l., works.....lb. .06¾- .08¾
Soda bichromate, in bbls., ¼c. higher.
Bifluoride, bbls., c.l., frt. alld. .....lb. .11½- —
l.c.l., same basis.....lb. .13 - .14
kgs., same basis.....lb. .13½- .14
Bisulphite, powd., bbls., c.l., works..100 lbs. 3.00 - 3.10
l.c.l., works.....100 lbs. 3.50 - 3.60
solut., 32°, bbls., c.l., works. 100 lbs. 1.30 - —
l.c.l., works.....100 lbs. 1.55 - —
30°, bbls., c.l., works.100 lbs. 1.35 - —
l.c.l., works.....100 lbs. 1.60 - —
35° bbls., c.l., works.100 lbs. 1.40 - —
l.c.l., works.....100 lbs. 1.65 - —
40°, bbls., c.l., works.100 lbs. 1.55 - —
l.c.l., works.....100 lbs. 1.80 - —
Bromide, USP, gran., bbls., 500 lbs., works..lb. .25 - —
dms., works .....lb. .25 - .26
Cacodylate, bots., dms.....lb. 8.00 -10.50
Carbonate (see Soda ash, Soda monohydrate, Soda sal).
Caustic, flake, powd., 76%, dms., c.l., works..100 lbs. 2.90 - 3.00
l.c.l., zone 1, dlvd..100 lbs. 4.25 - —
2, dlvd.....100 lbs. 4.40 - —
3, dlvd.....100 lbs. 4.75 - —
4, dlvd.....100 lbs. 5.35 - —
liquid, 50%, buyers' tanks, works, dry basis.100 lbs. 2.00 - —
sellers, tanks, works, dry basis..100 lbs. 2.10 - —
76%, seller's tanks, works, dry basis..100 lbs. 2.10 - —
solid, 76%, dms., c.l., works.. 100 lbs. 2.50 - 2.75
l.c.l., zone 1, dlvd..100 lbs. 3.85 - —
2, dlvd.....100 lbs. 4.00 - —
3, dlvd.....100 lbs. 4.35 - —
4, dlvd.....100 lbs. 4.95 - —
Prices f.o.b. stock points in zones indicated. Minimum quantity 500 lbs. For less than 500 lbs., prices are ex-warehouse.
Caustic soda zones are same as soda ash.
Chlorate, cryst., bgs., c.l., works..lb. .06¼- —
l.c.l., works.....lb. .06¾- —
powd., kgs., c.l., works....lb. .06¾- —
l.c.l., works.....lb. .07 - .08¼
Chloride (see Salt).

The importance

OF USING NIAGARA CAUSTIC POTASH, CARBONATE OF POTASH, CAUSTIC SODA AND CHLORINE

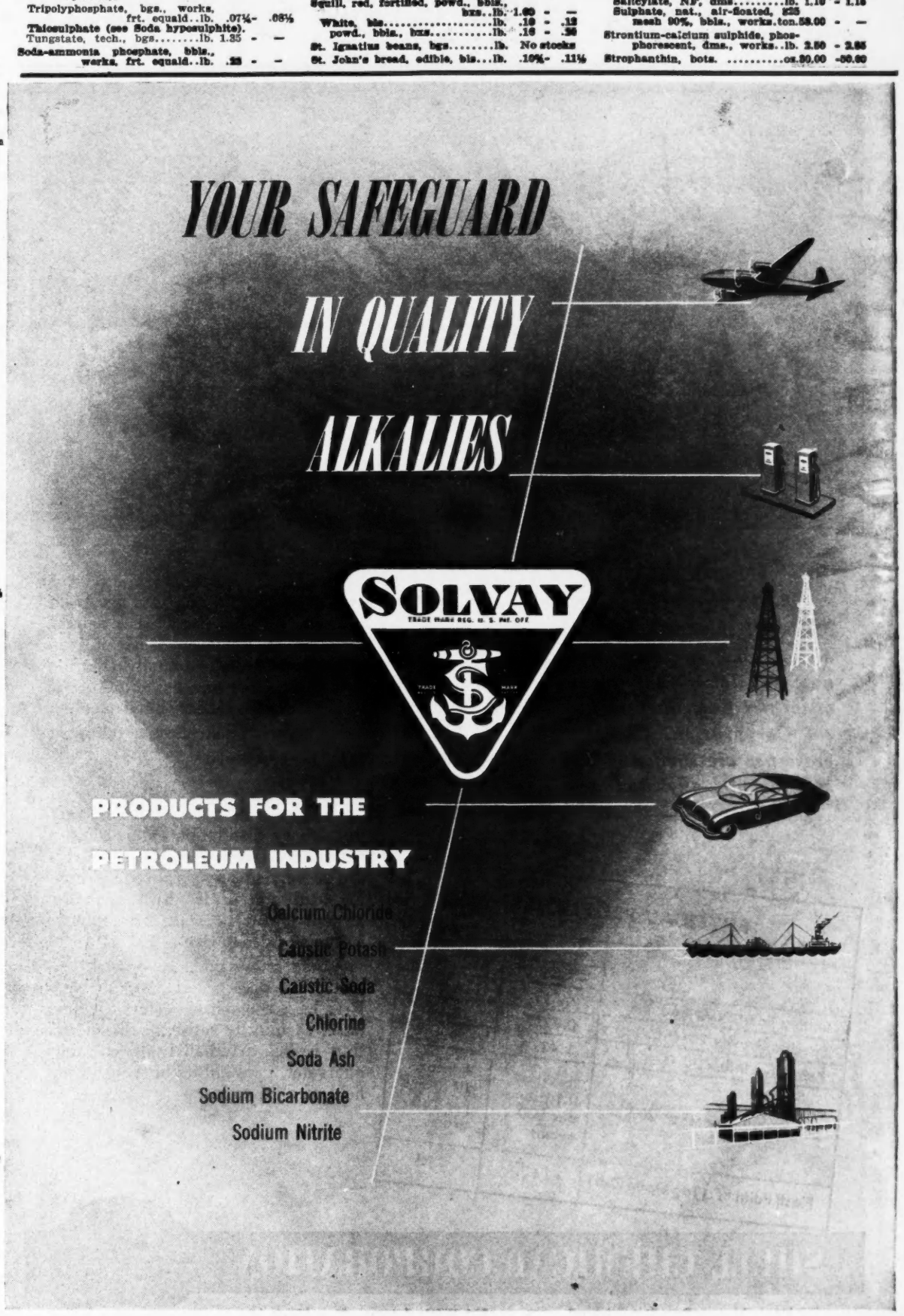
THESE BASIC electro-chemical products grow in importance as the intensified need for them increases in a wide range of industries. As the first company in America to produce Caustic Potash, Carbonate of Potash and Liquid Chlorine, and one of the first to produce Caustic Soda, Niagara has spent many years of painstaking research in improving their quality and adapting them to specialized needs. Niagara products maintain the highest standards of purity and uniformity, and Niagara's service in these products is unexcelled in thoroughness and efficiency to the full limit that the present production situation permits. For pioneering leadership in the electro-chemical field, look with confidence to Niagara. ▲▲▲ Niagara Alkali Company, 60 E. 42nd Street, New York 17, N. Y.

An Essential Part of America's Great Chemical Enterprise

NIAGARA ALKALI COMPANY

CAUSTIC POTASH • CAUSTIC SODA • CARBONATE OF POTASH • LIQUID CHLORINE • NIAGATHAL • PARADICHLOROBENZENE

Soda chromate, bgs., c.l., works, frt. equald.	.09½	—
l.c.l., works; frt. equald.	.09¾	.10
Soda chromate in bbls., ¼c. higher.		
Citrate, USP VIII, bbls.	.18½	—
dms.	.19½	.20½
USP XII, gran., bbls.	.24	—
dms.	.25	.30
powd., bbls.	.24½	—
dms.	.25½	.30½
Cyanide, 96-98%, dms.	.14½	.15
Diacetate, 33-35% acidity, bbls., works, dlvd.	.09½	.10½
anhydrous, dms., works	.11½	.13
Fluoride, white, 90%, bbls., c.l., works	.07	—
l.c.l., works	.08	—
95%, bbls., c.l., works	.07½	—
l.c.l., works	.08½	—
Soda fluoride prices at Los Angeles are f.a.s. works.		
Formate, bgs., c.l., works	.0625	—
l.c.l., works	.0650	—
Glutamate, monobasic, kgs.	1.46	1.48
Glycerophosphate, N.F., cryst., bbls.	1.90	—
powder, bbls.	1.95	—
solution, 75%, cbys.	1.10	—
50%, cbys.	.85	—
Hydrosulphite, dms., c.l., frt. alld.	.18½	.19
l.c.l., frt. alld.	.19	.20
Hydroxide, USP, sticks, dms.	.24	.25
Hypophosphite, NF, cns.	.67	.70
Hyposulphite, cryst., bgs., c.l., works, frt. equald., 100 lbs.	2.25	—
l.c.l., same basis, 100 lbs.	2.50	—
pea, cryst., bgs., c.l., works, 100 lbs.	2.60	—
Soda, hyposulphite, crystals, in bbls., 20c. higher; pea crystals, dms., 50c. higher.		
USP, cryst., bbls.	.19	.13
Iodide, dms., jars	2.72	—
Mandelate, dms	3.25	3.35
Metaborate, gran., bgs., c.l., works, ton	90.50	—
ton lots, works, ton	108.00	—
less ton lots, works, ton	113.00	—
Ammonia metaborate in bbls., $20 per ton higher.		
Metanilate, bgs.	.48	—
Metasilicate, anhyd., bbls., c.l., works, 100 lbs.	3.40	—
l.c.l., same basis, 100 lbs.	4.50	—
gran., bbls., c.l., works, frt. equald., 100 lbs.	3.40	—
l.c.l., dlvd., 100 lbs.	4.40	4.55
Methylate, bots., works	1.00	—
cns., works	.55	.60
dms., works	.45	.50
Molybdate, anhyd., kgs., works, lb.	.47	—
crystals, bgs., works	.60	—
Monohydrate, bgs., c.l., 100 lbs.	2.00	—
works, 100 lbs.	2.45	—
Naphthionate, bbls.	.46	—
Nitrate, dom., crude, 100-lb. bgs., c.l., works, ton	35.50	—
bulk, c.l., works, ton	32.00	—
refd., gran., bbls., 10 tons, 100 lbs.	—	—
smaller lots, 100 lbs.	—	—
imp., 100-lb. bgs., c.l., Atl. Gulf, Pac. whse., ton	41.50	—
bulk, same basis, ton	38.50	—
Nitrite, 96-98%, bbls., c.l., works, frt. equald., lb.	.06¾	—
West coast, ports, 100 lbs.	3.00	3.05
l.c.l., dlvd., 100 lbs.	3.90	11.90
Orthosilicate, anhyd., bbls., c.l., works, frt. equald., 100 lbs.	4.00	—
l.c.l., same basis, 100 lbs.	5.45	5.60
flake, l.bls., c.l., works, 100 lbs.	3.10	—
l.c.l., dlvd., 100 lbs.	4.30	4.55
Oxalate, neut., bgs., works, lb.	.10	—
Pantothenate, dextrorotary, 100-gram bots., per gram.	.10	—
Pentachlorophenate, briquets, bgs., works, frt. equald., lb.	.17	.19
powd., bgs., c.l., works, frt. equald., lb.	.16	.16½
l.c.l., works, frt. equald., lb.	.17	—
kgs., l.c.l., works, frt. equald., lb.	.19	—
Perborate, NF, bbls., c.l., works, lb.	.14¾	—
l.c.l., works	.15¼	—
Peroxide, dms., c.l., dlvd. E. of Miss., lb.	.14	—
smaller lots, lb.	.17	—
Phosphate, dibasic, tech., anhyd., bgs., c.l., works, 100 lbs.	6.25	—
l.c.l., works, 100 lbs.	6.75	7.00
cryst., bgs., c.l., works, 100 lbs.	3.35	—
l.c.l., works, 100 lbs.	3.75	—
USP XII, dried, bbls., dms., works, lb.	.150	—
monobasic, anhydrous, bgs., works, 100 lbs.	7.25	8.25
l.c.l., works, 100 lbs.	7.65	9.00
tribasic, anhydrous, bgs., c.l., works, frt. equald., 100 lbs.	7.00	—
l.c.l., same basis, 100 lbs.	7.50	8.00
cryst., bgs., c.l., works, 100 lbs.	3.50	—
l.c.l., same basis, 100 lbs.	3.90	—
kgs., c.l., works, 100 lbs.	4.20	—
l.c.l., works, 100 lbs.	4.40	—
USP (see Sodium phosphate, dibasic). Soda phosphate in bbls. 40c. higher.		
Prussiate, yellow, bgs., lb.	.12	—
bbls., lb.	.12¾	—
Pyrophosphate, acid, bgs., works, frt. equald., 100 lbs.	10.60	11.25
ferric, dms., 10,000 lbs., works, lb.	.22	—
smaller lots, works, lb.	.23½	—
tetrabasic, anhydrous, bgs., c.l., works, frt. equald., 100 lbs.	6.00	—
Ricinoleate, tech., bbls., lb.	No stocks	
Sal, bgs., c.l., 100 lbs.	1.35	—
works, c.l., 100 lbs.	1.10	—
bbls., c.l., 100 lbs.	1.40	—
works, c.l., 100 lbs.	1.20	—
Salicylate, dms., lb.	.52	.54
Sesquicarbonate, bgs., c.l., works, 100 lbs.	1.50	—
bbls., c.l., works, 100 lbs.	1.70	—
l.c.l., zone 1, dlvd., 100 lbs.	2.70	—
2, dlvd., 100 lbs.	2.85	—
3, dlvd., 100 lbs.	3.10	—
4, dlvd., 100 lbs.	3.50	—
Soda sesquicarbonate l.c.l. price zones are same as those for soda ash.		
Sesquisilicate, bbls., c.l., works, 100 lbs.	2.00	—
l.c.l., dlvd., 100 lbs.	5.15	5.80
Silicate, 40°, turbid, dms., c.l., works, 100 lbs.	.95	1.15
l.c.l., works, 100 lbs.	1.20	1.30
tanks, works, ton	15.00	—
52°, turbid, dms., c.l., works, 100 lbs.	1.55	—
l.c.l., works, 100 lbs.	1.80	2.00
tanks, works, ton	27.00	—
Silicofluoride, bbls., c.l., works, lb.	.07½	—
l.c.l., works, lb.	.08½	—
Stannate, dms., works, frt. alld. E., lb.	.83½	.85¼
Stearate, bbls., works, lb.	.19	.24
Potash sulphate, NF, dried, powd., bbls., lb.	.07	.07¼
tech., anhyd., bgs., c.l., works, 100 lbs.	1.70	—
l.c.l., works, 100 lbs.	1.95	2.20
cryst. (see Glauber's salt).		
USP, cryst., gran., bbls., lb.	.07	.10
Sulphide, cryst., bbls., c.l., works, 100 lbs.	2.90	—
l.c.l., dlvd., 100 lbs.	3.65	3.90
solid, bbls., c.l., works, 100 lbs.	3.65	—
l.c.l., dlvd., 100 lbs.	4.15	4.50
Sulphite, cryst., bgs., c.l., works, 100 lbs.	2.10	—
l.c.l., works, 100 lbs.	2.35	—
bbls., c.l., works, 100 lbs.	2.30	—
l.c.l., works, 100 lbs.	2.55	—
powd., bbls., c.l., works, 100 lbs.	5.25	—
l.c.l., works, 100 lbs.	5.50	6.00
Sulphocarbolate, USP IX, gran., bbls., dms., lb.	.28	.33
powd., bbls., lb.	.30	.35
Sulphocyanide, CP, dms., lb.	.55	.65
Sulphohydrate, liquid, 58%, dms., c.l., works, 100% basis, lb.	.06	—
l.c.l., same basis, lb.	.09	—
Sulphohydrate, flake, 70-73%, dms., c.l., lb.	.04½	—
l.c.l., works, lb.	.05	—
liquid, 58%, tanks, basis 100%, works, lb.	.03¾	—
l.c.l., works, lb.	.05	—
Sulphoxylate, formaldehyde, dms., c.l., works, frt. alld., lb.	.17½	—
Sulphoricinoleate, bbls., lb.	.12	—
Thiocyanate (see Soda, sulphocyanide).		
Tripolyphosphate, bgs., works, frt. equald., lb.	.07¼	.08½
Thiosulphate (see Soda hyposulphite).		
Tungstate, tech., bgs., lb.	1.35	—
Soda-ammonia phosphate, bbls., works, frt. equald., lb.	.23	—
Soda - cinchophen, bots., dms., works, lb.	5.00	5.10
Soda-formaldesayde sulphoxalate, stand. cont., 125-250 lbs., lb.	.19	.23
Soda-sulphadiazin, USP, dms., works, lb.	10.50	10.60
Soda-sulphamerazin, dms., works, lb.	10.50	10.60
Soda-sulphapyridin, powd., bots., dms., works, lb.	5.00	5.30
Soda-sulphathiazole, USP, dms., works, lb.	3.00	3.30
Solvent naphtha, dms., wks., gal.	.27	—
tanks, E. of Omaha, frt. alld., gal.	.23	—
Minnequa, Colo., gal.	.26	—
high-flash, coaltar, dms., works, gal.	.30	—
tanks, frt. alld. E. of Omaha to 3c. per gal., gal.	.25	—
Sorbitol, comm'l, dms., c.l., works, lb.	.23½	—
l.c.l., works, lb.	.24	.33
Soybean meal, 41%, bulk, c.l., Decatur, ton	62.50	—
Protein, alpha, bgs., 40,000 lbs., works, lb.	.28	—
20,000 lbs., works, lb.	.29½	—
smaller lots, works, lb.	.29½	.33
Sparteiane sulphate, bots., cns., oz.	2.95	3.20
Spearmint leaves, bls., lb.	.43	.49
Spikenard root, bls., lb.	.50	.55
Spruce extract, liq., reg., tanks, works, lb.	.01¾	—
pwd., super, bgs., c.l., wks., lb.	.05½	—
Squaw vine, bls., lb.	.53	.55
Squill, red, fortified, powd., bbls., bxs., lb.	1.60	—
White, bls., lb.	.10	.12
powd., bbls., bxs., lb.	.10	.30
St. Ignatius beans, bgs., lb.	No stocks	
St. John's bread, edible, bls., lb.	.10¾	.11½
Starch, corn, pearl, bgs., c.l., 100 lbs.	4.07	—
l.c.l., 100 lbs.	4.22	—
Chicago, c.l., 100 lbs.	3.62	—
powd., bgs., c.l., 100 lbs.	4.18	—
l.c.l., 100 lbs.	4.33	—
Chicago, c.l., 100 lbs.	3.73	—
Cornstarch prices above are for paper bags; cotton bags are 20c. higher.		
Potato, bgs., c.l., lb.	.0745	.07½
l.c.l., lb.	.08½	.09¼
Rice, bgs., c.l., lb.	No stocks	
Sweetpotato, bgs., lb.	No stocks	
Wheat, bgs., lb.	.08½	.84¾
Staves acre seed, bgs., lb.	.09	.21
Stearin, oleo (see Oleostearin).		
Stillingia root, bls., lb.	.45	.50
Stoneroot, bls., lb.	.07½	.08
Storax, cs., lb.	1.00	1.10
Stramonium leaves, bgs., lb.	.20	.25
Seed, bgs., lb.	.20	.21
Streptomycin, hospitals, gram.	4.20	—
wholesalers, gram.	3.84	—
Strontium bromide, NF, cns., dms., lb.	.52	.55
Carbonate, 90%, bbls., lb.	.14	.16
98%, bbls., lb.	.23	.29
Chloride, tech., bbls., lb.	.22	.24
mesh 90%, bbls., works, ton	58.00	—
Chromate, bbls., kgs., Phila., lb.	.40	.42
Iodide, jars, 25 lbs., lb.	2.20	—
Lactate, dms., lb.	1.30	1.35
Nitrate, bbls., c.l., works, l.c.l., works, lb.	.07¾	.09¾
Oxalate, bbls., works, lb.	.35	.40
Salicylate, NF, dms., lb.	1.10	1.15
Sulphate, nat., air-floated, #25 mesh 90%, bbls., works, ton	58.00	—
Strontium-calcium sulphide, phosphorescent, dms., works, lb.	2.50	2.65
Strophanthin, bots., oz.	30.00	50.00



SOLVAY SALES CORPORATION *Alkalies and Chemical Products Manufactured by The Solvay Process Company* 40 Rector Street, New York 6, N. Y.

Strophanthus seed, Kombe, bgs. lb 2.25 - 2.80
Strychnine, NF, powd., cns., 100 ozs..oz. 1.25 - —
Sulphate, USP, powd., cns., 100 ozs..oz. 1.00 - —
Styrolyl acetate, bots.....lb. 2.80 - 3.10
Sucrose octa-acetate, denat., bbls., l.c.l. ,works..lb. .50 - —
tech., bbls., l.c.l., works...lb. .45 - —
Sugar coloring (see Caramel coloring).
Sugar of milk (see Milk sugar).
Sulphadiazine, USP, dms., works. lb. 9.00 - 9.10
Sulphaguanidin, dms. works..lb. 4.50 - 4.60
Sulphamerazin, dms., works...lb. 9.00 - 9.10
Sulphanilamide, USP, powd., bots., works..lb. 1.05 - 1.10
Sulphanilamide, 80-90 mesh, 10c. higher.
Sulphapyridin, powd., bots., tins, works..lb. 5.00 - 5.25
Sulphathiazole, USP, powd., dms., works..lb. 3.00 - 3.30
Sulphonethylmethane, kgs.....lb. 6.75 - 6.85
Sulphonmethane, kgs.....lb. 5.25 - 5.35
Sulphur, crude, c.l., bulk, mines, contract..long ton.16.00 - —
vessels, Gulf ports, contract..long ton.17.50 - —
export ..... long ton.20.00 - —
flour, comm'l, 99½%, bgs., c.l., works..100 lbs. 1.80 - —
l.c.l., works.....100 lbs. 2.15 - —
precipitated, USP, bbls., kgs.lb. .18 - .36
refined, flour, extra fine, bgs., c.l., works..100 lbs. 2.15 - —
l.c.l., works.....100 lbs. 2.50 - 3.00
heavy, bgs., c.l., works..... 100 lbs. 2.25 - —
l.c.l., works.....100 lbs. 2.20 - 2.60
light, bgs., c.l., works.100 lbs. 2.25 - —
l.c.l., works.....100 lbs. 2.30 - 2.60
Sulphur, refined, flowers, USP, bgs., c.l., works..100 lbs. 3.30 - —
l.c.l., works.....100 lbs. 3.65 - —
Refined sulphur flowers in bbls., 35c. higher.
rock, bbls., c.l., works.. 100 lbs. 2.45 - —
l.c.l., works.....100 lbs. 2.80 - —
roll, bbls., c.l., works.100 lbs. 2.65 - —
l.c.l., works.....100 lbs. 3.00 - 3.40
rubbermakers', bgs., c.l., wks. 100 lbs. 2.15 - 2.60
Chloride, 25-gal. dms., c.l., works..lb. .08 - .08¼
l.c.l., works.....lb. .04 - .04½
10-gal. dms., c.l., works..lb. .07 - .07½
l.c.l. .....lb. .08 - .08¼
Dioxide, liquid, com'l, cyls., c.l., works..lb. .095 - —
l.c.l. .....lb. .095 - —
multi-unit cars, works..lb. .06 - —
tanks, works.....lb. .044 - —
refrigeration, cyls., l.c.l., works..lb. — - —
Iodide, bots., jars.....lb. 3.90 - 4.11
Sumac extract, No. 1, bbls....lb. .10½- —
No. 2, bbls.....lb. .09 - —
crystals, bbls.....lb. .40 - —
stainless, bbls.....lb. .11 - .13¼
Superphosphate, pulverized, run-of-pile under 22% a.p.a. Balto..unit-ton. .74 - —
Balto..unit-ton. .70 - —
Florida .....unit-ton. .56 - .60
others .....unit-ton. .57 - .60
Delivery points, Ariz., Calif., Colo., Ida., Kans., Nev., N. M., Ore., Utah, Wash., 25½c., per unit-ton plus frt. charges from Anaconda, Mont., in excess of $3.06 per ton; guaranteed 18, 19 or 20% a.p.a., ½c. per unit-ton higher.
Superphosphate, triple, 45% or more a.p.a., bulk, producing point, Florida..... unit-ton. .68 - —
South Carolina..unit-ton. .75 - —
Tennessee .....unit-ton. .80 - —
Other States and D.C., 65c. per unit ton plus frt. charge for 45% from E. Tampa, Fla.
Superphosphate, gran., 2c. per unit-ton higher than pulverized.
Sweet basil, bls.....lb. 1.10 - 1.15

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Talc, dom., ordinary, grd., bgs., c.l., works..ton.14.00 -24.50
l.c.l., works.....ton.16.50 -30.00
Calif., bgs., c.l., wks..ton.22.00 -30.00
Pennsylvania, bgs., c.l., works..ton.11.00 -12.50
l.c.l., works.....ton.12.00 -14.50
Vermont, bgs., c.l., works. ton.14.00 - —
l.c.l., works.....ton.17.50 - —
fibrous, grd., off-color, New York, bgs., c.l., works. ton.15.00 - —
325 mesh, 95-97%, bgs., c.l., works..ton.17.50 - —
98 - 98.5%, bgs., c.l., works..ton. No prices.
99.25-99.95% bgs., c.l., works..ton. No prices.
Imp., Canada, bgs., c.l.....ton.35.00 -44.50
Tallow, inedible, extra, loose..lb. .21½- —
special, loose.....lb. .21½- —
saponated, 25%, dms.....lb. .09 - .10
50%, dms.....lb. .12 - .13
Tamarind, bbls.....lb. .12¼- .12½
Tankage, animal, feed grade, 9-11% ammon., bulk, unit-ton. 8.00 - —
Chicago .....unit-ton. 7.50 - —
fert. grade, 9% ammon., 10% b.p.l., bulk..unit-ton. No stocks
10-11% ammon., 15% b.p.l., bulk, Chicago..unit-ton. No stocks
Tansy leaves, bls.....lb. .15 - .16
Tapioca flour, bgs.....lb. .09 - .13½
Java, bgs.....lb. No stocks
Tar acid oil, 15-19%, dms., c.l., works..gal. .35 - —
l.c.l., works.....gal. .38 - —
25%, dms., c.l., works...gal. .41 - —
l.c.l., works.....gal. .44 - —
Tar, pine (see Pinetar).
Tara pods, c.l., ex dock U. S. ports..long ton. No prices
powd., c.l., same basis..long ton. No prices
Tarragon herb, bgs.....lb. .60 - .65
Leaves, bgs.....lb. 1.20 - 1.25
Tartar emetic, tech., gran. or powd., bbls., kgs..lb. .44 - —
dms. .....lb. .44½- .47
Tartar emetic, USP, powd., bbls., dms.. kgs..lb. .49 - .53
Terpin hydrate, comm'l, bbls., c.l., lb. .34½- —
lb. .35 - .35½
USP, cryst., bbls., dms....lb. .70 - .75
powd., bbls., dms.....lb. .75 - .80
Terpineol, Alpha (see A).
com'l, dms., c.l., South.....lb. .13¼- —
l.c.l., South.....lb. .14 - —
tanks, South.....lb. .13 - —
pure, dms.....lb. .56 - .60
extra, dms... .....lb. .65 - .70
Terpinglycol ether, dms. (extra), c.l., works..lb. .19½- —
l.c.l., works.....lb. .20 - —
tanks, works.....lb. .19 - —
Terpinyl acetate, extra, cns., dms. lb. .55 - 1.01
prime, cns., dms.....lb. .62 - .80
Terra alba (see Gypsum).
Tetrachloroethane, dms., works, lb. .93 - .99½
Tetrachloroethylene, NF VI, 55-gal. dms., works..lb. .30 - 31½
smaller dms., works.....lb. .29½- .29½
tech. (see Perchloroethylene).
Tetraethyl orthosilicate, dms., works..lb. .65 - —
Tetralin, dms. .....lb. .19 - —
Tetrapotassium phosphate (see Potash phosphate).
Tetrasodium pyrophosphate (see Soda pyrophosphate).
Thallium sulphate, 99%, bots., works..lb.17.50 - —
Theobromine, dms., 25-lb. lots.lb. 3.75 - —
smaller lots .....lb. 3.95 - 4.10
Thiamine hydrochloride, dms., 100 grams or more..kilo.100.00 - —
Thiocarbanilide, dms. .....lb. .34 - —
Thiouracil, dms., works.....lb. 5.50 - 5.60
Thiourea, CP, dms. .....lb. .55 - .56
Thorium nitrate, cs., works..lb. 2.00 - —
Thyme, French, bgs.....lb. .17 - .17½
futures, bgs.....lb. .15½- .16
Spanish, bls. .....lb. .11½- .12
Thymol, cns. .....lb. No prices
Iodide, dms. .....lb. 4.25 - —
Timbo root (see Cube root).
Tin chloride, anhydrous.....lb. No stocks
crystals, bgs., bbls.....lb. No stocks
Metal .....lb. .70 - —
Bolivian .....lb. .63½- —
Straits .....lb. No stocks.
Oxide, bbls.....lb. .54 - .55
Tetrachloride, anhyd., dms., works..lb. .31 - .35
Titanium dioxide, chalk resistant, bgs., c.l., dlvd..lb. .15½- —
l.c.l., dlvd. .....lb. .15½- —
nonchalking, bgs., c.l., dlvd. E..lb. .17½- —
l.c.l., dlvd. .....lb. .17½- —
plain, bgs., c.l., dlvd.....lb. .15½- —
l.c.l., dlvd. .....lb. .15½- —
Hydride, cns., works.....lb. 7.00 - 8.00
Pigment, barium base, bgs., c.l., dlvd..lb. .06½- —
l.c.l., dlvd.....lb. .06½- —
Calcium base, bgs., c.l., dlvd. lb. .08 - —
l.c.l., dlvd.....lb. .06½- —
Calcium-rutile base, bgs., c.l., dlvd..lb. .06 - —
l.c.l., dlvd.....lb. .06½- —
Magnesium base, dlvd.....lb. No prices
l.c.l., dlvd.....lb. No prices
Titanium dioxide and pigment in bbls., ½c. higher; Pac. coast, c.l., dlvd., l.c.l., ex whse, ½c. higher.
Tetrachloride, CP, 55-gal. dms., works..lb. .57 - —
smaller pkgs., works....lb. .65 - 1.22
technical, 55-gal. dms., works. lb. .32 - —
smaller pkgs., works.....lb. .40 - 1.00
Tolu balsam, cns.....lb. 3.85 - 3.90
Toluol (toluene), 2°, indust., ret. dms., works..gal. .27 - —
tanks, E. of Omaha, frt. alld. gal. .22 - —
West Minnequa, Colo...gal. .22 - —
Prices on toluol from petroleum, tanks, delivered (maximum freight allowance in parentheses), are:—Ark., 23c.; Chicago, 26c. (2½c.); Del.-Md.-D. C., 23c. (2½c.); Detroit, 23c. (1 3/10c.); La., 23c.; N. E., 23c. (2¼c.); N. J., 23c.; N. Y., 23c.; N. C., 25c. (5c.); Pa., 23c. (2½c.); S. C., 26c. (6c.); Tenn., 23c. (3½c.); Va., 24c. (3½c.); W. Va., 23c. (2½c.).
1°, nitration, ret. dms., works. gal. .27 - —
tanks, E. of Omaha, frt. alld. gal. .22 - —
West Minnequa, Colo....gal. .22 - —
Toluidin base, distilled, kgs...lb. 1.00 - —
Tolu balsam, cns.....lb. 4.35 - 4.50
Toluene (see Toluol).
Tonga, 50% bark and vine, bbls. lb. .90 - .91
Tonka beans, Angostura, cks..lb. 1.70 - 1.80
Brazilian, Surinam, cs.....lb. .85 - .90
Totaquine, USP XII, 100-ozs. lots..oz. .32 - —
Triacetin, dms., works.....lb. .38 - —
Triamylamine, dms., c.l., works. lb. .98 - —
l.c.l. .....lb. 1.01 - —
Tributyl citrate, dms.....lb. .41 - .49
smaller pkgs.....lb. .52 - —
Phosphate, dms., l.c.l., frt. alld. E. of Rockies..lb. .65½- —
Tributylamine, dms., c.l., works. lb. .78 - —
l.c.l., works.....lb. .81 - —
Trichlorobenzene, dms., c.l., frt. alld..lb. .10½- —
l.c.l., frt. alld.....lb. .11 - .14
tanks, frt. alld.....lb. .10 - —
Trichloroethane, dms., c.l., works. lb. .15 - —
l.c.l., works.....lb. .17 - —

Methallyl chloride and methallyl alcohol are new allyls now available in trial-lot quantities from Shell Chemical Corporation. Chemical properties are similar to allyl chloride and allyl alcohol

METHALLYL CHLORIDE undergoes the usual replacement reactions of the chlorine atom, and reactions involving the double bond. Ammonolysis produces primary, secondary and tertiary amines; chlorohydrination produces dichloro-tertiary-butyl alcohol. Methallyl chloride hydrates easily in the presence of aqueous solutions of mineral acids to produce chloro-tertiary-butyl alcohol.

In addition, methallyl chloride is an effective fumigant for grains, tobacco and dried fruits.

METHALLYL ALCOHOL readily forms esters. Those of lower organic acids are formed by distillation of the alcohol with the desired acid. Dibasic esters can be conveniently prepared by reacting acid anhydrides with methallyl alcohol in the presence of p-toluene sulfonic acid.

These esters undergo polymerization in the presence of peroxide catalysts . . . the dibasic esters yielding hard, chemically resistant, thermosetting resins. Methallyl alcohol thus offers new possibilities in the growing field of allyl resins.

PHYSICAL PROPERTIES	METHALLYL	
	CHLORIDE	ALCOHOL
Boiling Point °C.@ 760 mm.	72.2	114.5
Specific Gravity 20/4°C.	0.9257	0.8515
Refractive Index 20/D	1.4276	1.4255
Solubility in Water @ 20°C.	Less than 0.1 grams per 100 grams	Approx. 17 grams per 100 grams
Flash Point °F. (Tag Open Cup)	14	94

SHELL CHEMICAL CORPORATION

100 Bush Street, San Francisco 6 · 500 Fifth Avenue, New York 18
Los Angeles · Houston · St. Louis · Chicago · Cleveland · Boston

From factory to bottling plants all over the country the purity of Coca-Cola REG U.S. PAT. OFF. syrup is guarded every minute

EVERY DRUM IS MADE OF STAINLESS STEEL

EVERY DRUM IS STERILIZED WITH STEAM BEFORE USE

EVERY DRUM IS SEALED WITH TRI-SURE CLOSURES

From Savannah to Seattle—from Albany to Albuquerque—millions of people take time-out for "the pause that refreshes with ice-cold Coca-Cola." And in doing so they enjoy one of the world's purest beverages—a beverage that is guarded every minute of its long journey to bottling plants all over the country. For Coca-Cola has one of the most valuable reputations in industry. Every possible safeguard is taken to protect it.

Special 55-gallon Stainless Steel Drums—costing ten times as much as ordinary drums—carry the syrup from the factory. To ensure a perfectly sanitary container, the drums are cleansed with steam before they are filled. And to prevent any possibility of contamination in transit, every Tri-Sure Stainless Steel Flange is capped with Tri-Sure Seals.

Coca-Cola started to use Tri-Sure sealed drums ten years ago—with a stock of 1000 drums. Today tens of thousands of these drums are in use. Many of them, in congested areas, make eight or ten trips a month. Yet—despite the length of service, the vast number of drums in use, and the frequent trips taken by many of the drums—not a single gallon of Coca-Cola syrup has ever been spoiled or lost by seepage, evaporation, or contamination.

The experience of Coca-Cola is eloquent proof that any product—and the reputation behind it—is *safe* in drums equipped with Tri-Sure Closures. It is further evidence that the finer the product, and the greater the investment in it, the more it *pays* to give every drum the protection of Tri-Sure Closures.

Tri-Sure
Reg. U. S. Pat. Off.
CLOSURES

AMERICAN FLANGE & MANUFACTURING CO. INC., 30 ROCKEFELLER PLAZA, NEW YORK 20, N. Y.

TRI-SURE PRODUCTS LIMITED, ST. CATHARINES, ONTARIO, CANADA

Trichlorocthylene, dms., c.l., Zone 1, works, frt. alld..lb. .03 - —
Zone 2, frt. alld.....lb. .03½- —
Zone 3, frt. alld.....lb. .03 - —
Zone 4, ex whse.....lb. .03 - —

Trichlorocthylene, l.c.l. prices, ½c. higher. Zones are—(1) Conn., Del., Ill., Ind., Ia., Ky., Me., Md., Mass., Mich., Minn., Mo., N. J., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., W. Va., Wis., Omaha, K. C., Kan.; (2) Ala., Ark., Fla., Ga., Kan., La., Miss., Neb., N. D., Okla., S. C., S. D.; (3) Col., Mont. (E), N. M., Tex., Wyo.; (4) Ariz., Cal., Idaho, Mont. (W), Nev., Ore., Utah, Wash.

Tricresyl phosphate, coaltar base, dms., c.l., dlvd..lb. .23 - —
l.c.l., dlvd.....lb. .28½- —
tanks, dlvd.....lb. .23 - —
petroleum base, dms., c.l., dlvd..lb. .37 - —
l.c.l., same basis.....lb. .37½- —
tanks, same basis.....lb. .36 - —

Triethanolamine, dms., c.l., frt. alld. in E..lb. .18½- —
l.c.l., same basis.....lb. .20½- —
tanks, same basis.....lb. .18½- —

Triethyl phosphate, cms.....lb. .40 - —

Triethylamine, dms., c.l., works, basis 100%..lb. .24 - —
l.c.l., works, basis 100%...lb. .26 - —
tanks, works, basis 100%....lb. .20 - —

Triethyleneglycol, dms., c.l., frt. alld. in E..lb. .19½- —
l.c.l., same basis.....lb. .19½- —
tanks, same basis.....lb. .17½- —

Trimethylamine, anhydrous, cyl., works, frt. alld. E. of Miss., 100% basis..lb. .25 - —
solution, dms., c.l., frt. alld. E. of Miss., 100% basis..lb. .25 - —

Triphenyl phosphate, bbls., c.l., frt. alld..lb. .26 - —
l.c.l., same basis.....lb. .27 - —

Tripoli, air-floated, bgs., c.l., works..ton.21.00 - —
double-grd., bgs., c.l., works.. ton.17.50 - —
once-grd., bgs., c.l., works.ton.16.00 - —

Trisodium phosphate (see Soda phosphate tribasic).

Tuba root (see Cube root).

Tungsten metal, powd., 99.9+%, dms., works..lb. 2.85 - —
Oxide, kgs., same basis.....lb. 4.75 - —

Turmeric root, Alleppey, bls...lb. .21 - .21½
Haitian, bls.....lb. .14½- .15
Jamaica, futures, bls.....lb. .15½- .16
Madras, bgs.....lb. .16 - .16½

Turpentine, gum (see Naval Stores, Protective Coatings market).
Wood, d.d., dms. incl. c.l., wks., South..gal. .84 - —
l.c.l., same basis.....gal. .86 - —
tanks, wks., South.....gal. .78 - —
steam-dist., l.c.l., dms., incl., East..gal. 1.36 - —
tanks, South.....gal. 1.15 - —
Sulphate, rst. dms., East...gal. 1.15 - —

U

Unicorn root, false (see Helonias root). True (see Aletris root).

Uranium, oxide, black, bgs...lb. 2.55 - —
yellow, kgs.....lb. 1.65 - —

Urea, dom., 46% N., bgs., c.l., works or ship, pts..ton.73.00 - —
l.c.l., ship. pts.....ton.75.50 -80.50
fertilizer comp., 42% N., bulk, c.l., works or Atlantic or Gulf ports..ton.57.40 - —
fixed ammonia content, usual Atlantic and Gulf ports, NH_3..ton.116.80 - —
imports, pure, cs.....lb. .12 - —

Urea-ammonia liquor (A and B), free ammonia content, Belle, W. Va., freight equalized with Hopewell, Va..ton.59.00 - —
fixed ammonia content, Belle, W. Va., freight equalized with Hopewell, Va., NH_3. ton.112.80 - —

C and D prices for Urea-ammonia liquor are $1.20 per ton of nitrogen higher than the A and B respectively for the same destinations.

Urunday, extract, 63% tannin, ex dock, U. S. ports..lb. .05625-.05000
Uva ursi leaves, bls.....lb. .16 - .19

V

Valerian root, Belgian, NF, bls. lb. .55 - .77
Indian, bls. .....lb. .45 - .55
Valonia, beards, bgs, ex dock.. ton.75.00 - —
Cups, bgs., ex dock.....ton.60.00 - —
Extract, powder, bgs., ex dock, lb. .11¼- .11¾
Vanadium pentoxide, CP, bgs., cms., works..lb. 7.00 - —
tech., dms., works.....lb. 1.10 - —

Vanilla beans, Bourbon, tins..lb. 5.00 - 6.00
Mexican, cuts, tins.....lb. 9.00 -10.00
whole, tins.....lb. 10.50 -11.00
Tahiti, tins.....lb. 4.00 - 4.50

Vanillin, ex eugenol, tins, 25 lbs. or more..lb. 4.50 - —
smaller lots, tins.....lb. 4.55 - 4.65
ex guaicol, tins, 25 lbs. or more. lb. 2.00 - —
smaller lots, tins.....lb. 2.05 - 2.15
ex lignin, tins, 25 lbs. or more. lb. 2.35 - —
smaller lots, tins.....lb. 2.40 - 2.50

Venice turpentine, artif., cms..lb. .24 - .28
Verdigris, bbls., bgs.....lb. .22 - .28

Vinyl acetate, cbys., works....lb. .25 - —
dms., c.l., works.....lb. .15½- —
l.c.l., works.....lb. .16½- —
tanks, works.....lb. .14 - —

Ether, bots., 75 c.c., less 20% and 20%..bot. 1.30 - —
50 c.c., same basis.....bot. 1.05 - —
25 c.c., same basis.....bot. .65 - —
Trichloride (see Trichloroethane).

Vinylpyridin, rst. dms., works.lb. 1.50 - —

Vitamin A (see Oils, codliver, halibut-liver).
B (see Thiamine hydrochloride).
B_2 (see Riboflavin).
B complex, natural (see Rice bran and Yeast).
Viosterol (irradiated ergosterol), bots., mil., units. .10 - .20
in corn oil (see Calciferol).
Vitamin B_6 (see Pyridoxin).
C (see Acid, ascorbic).
D (see Oils, codliver, halibut-liver, viosterol).
D_2 (see Calciferol).
E (see Alphatocopherol).
G (see Riboflavin).
P-P (see Acid, nicotinic, and Nicotinamide).
Violet, methyl, toner (see M).
V.M.P. naphtha (see Petroleum naphtha).

W

Wahoo, root bark, bls.....lb. 2.00 Nom.
tree bark, bls.....lb. .45 - .50
Wattle bark, merchantable bags, f.a.s..ton.60.00 -61.00
fair average, bgs., f.a.s... ton.62.00 -63.00
extract, liquid, 35% tannin, bbls., works..lb. .05¾- .06¼
tanks, works.....lb. .05¼- .05¾
solid, E. Afr., 61% tannin, in bond, ex dock..lb. .06¾- .08¾
S. Afr., 62% tannin, ex dock, in bond..lb. .06¾- .07
Wattle extract prices based on $20 freight and $1.00 insurance per long ton.

Wax, amorphous (see Wax, microcrystalline).
Bayberry, bgs.....lb. No stocks
Bees, bleached, USP, white, bricks, cakes, cs..lb. .70 - .71
slabs, bgs.....lb. .67 - .68
crude, African, bgs.....lb. .58 - .59
Western hemisphere, bgs.lb. .61 - .62
refined, yellow, bricks, bgs.lb. .64 - .65
slabs, cs.....lb. .63 - .64
Candelilla, crude, bgs.....lb. .77 - .78
refined, bgs.....lb. .80 - .82
Powdered, candelilla, 20 mesh, 5c. per lb. extra, 80 mesh, 5½c.; 100-200 mesh, 6c.
Carnauba, chalky, No. 3, bgs., ton lots..lb. 1.50 - 1.52
North Country, No. 2, bgs., ton lots..lb. 1.60 - 1.62
No. 3, bgs, ton lots.....lb. 1.65 - 1.67
refined, bgs., ton lots.....lb. 1.65 - 1.67
yellow, No. 1, bgs., ton lots.. lb. 1.84 - 1.86
No. 2, bgs., ton lots.....lb. 1.82 - 1.84
Powdered carnauba prices, same differentials as powdered candelilla.

Ceresin, dom., 132°-136° m.p., bgs..lb. .16 - .16½
138°-140° m.p., bgs.....lb. .18 - .18½
158°-162° m.p., bgs.....lb. .20½- .21
Japan, bgs.....lb. .42 - .45
Microcrystalline, 170°-175° m.p., A.S.T.M., amber, ctns., 30 tons yearly contract, group 3, works..lb. .16 - —
smaller lots, same basis. lb. .16 - .17½
black, ctns., 30 tons, same basis..lb. .14½- —
smaller lots, same basis..lb. .14½- .15½
white, ctns., 30 tons, same basis..lb. .27 - —
smaller lots, same basis. lb. .27 - .29
190°-195° m.p., A.S.T.M., amber, ctns., 30 tons, same basis..lb. .18 - —
smaller lots, same basis. lb. .18 - .19
190°-195° m.p., ASTM, black, ctns., 30 tons, same basis. lb. .16½- —
smaller ctns., same basis. lb. .16½- .17½
white, ctns., 30 tons, same basis..lb. .31 - —
smaller lots, same basis. lb. .31 - .32
Montan, crude, bgs.....lb. .56 - .59
Ouricury, crude, bgs., ton lots. lb. .80 - .82
refined, bgs., ton lots.....lb. .85 - .87
Ozokerite, dom., 180-190 F., c.l. lb. .26 - —
182-184 F., bgs., c.l.....lb. .31 - —
182-188 F., bgs., c.l.....lb. .31 - —
Spermaceti, blocks, cs.....lb. .45 - .50
cakes, cs.....lb. .46 - .51
White lead (see Lead, white).
White precipitate, powd., dms., 50 lbs. or more..lb. 2.50 - -
White pine bark, rossed, bls..lb. .21 - .25
Whiting, limestone, dry-grd., 325 mesh, bgs., 40 tons, works, St. Louis..ton.10.50 - —
smaller lots, works, St. Louis..ton.12.50 - —
wet-grd., air-floated, 325 mesh, 99½%, bgs., c.l.....ton.14.50 -27.50
200 mesh, 99½%, bgs., c.l. ton. No prices
80%, bgs., c.l.....ton. No prices
water-floated, extra, gilders, bgs., c.l..ton.14.50 -32.00
gilders, bgs., c.l.....ton. No prices
putty grade, bgs., c.l..ton.13.00 - —
surface treated, bgs., c.l., Ohio, works..ton.27.50 - —
Paris white, bgs., c.l.....ton.25.00 -31.00
l.c.l. .....ton.25.00 -32.00
precipitated, bgs., c.l.....ton.14.00 -18.00
l.c.l. .....ton.18.00 -22.00
Wild cherry bark, thick, bls..lb. .06 - .07
thin, natural, bgs.....lb. .18 - .20
rossed, green, bls.....lb. .24 - .26
Wild indigo root, bls.....lb. .22 - .25
Witch-hazel leaves, bls.....lb. .30 - .35
Witherite (see Barium carbonate, natural).

Petrolite

Crown Quality WAXES

Petrolite Crown Quality Waxes are highly-refined micro-crystalline petroleum waxes. They are manufactured only in the Petrolite Refinery, from crudes specially selected for quality wax production. This selective refining, by a refinery engaged exclusively in the manufacture of wax, produces a line of waxes offering a variety of colors, hardnesses and melting points—yet insuring a uniformly high quality and purity.

NOTE THESE CROWN SPECIFICATIONS

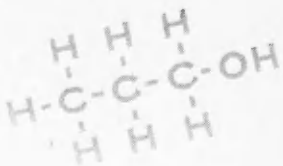
CROWN QUALITY INDEX	PENETRATION	MELTING POINT	COLOR	ODOR*
1035	Less than 2	195°F Minimum	2 to 2½ NPA	None
1010	Less than 2	195°F Minimum	1 to 1½ NPA	None
700	Maximum 5	197°F Minimum	2 to 2½ NPA	None
500	5 to 10	192°F Minimum	2½ to 3 NPA	None
400	5 to 10	192°F Minimum	4 to 5½ NPA	None
200	5 to 10	192°F Minimum	Brown-Black	None
100	5 to 8	196°F Minimum	Black	None

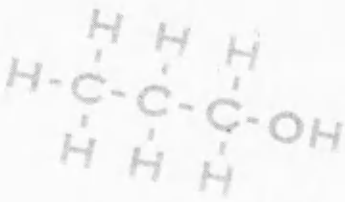
*At atmospheric temperature

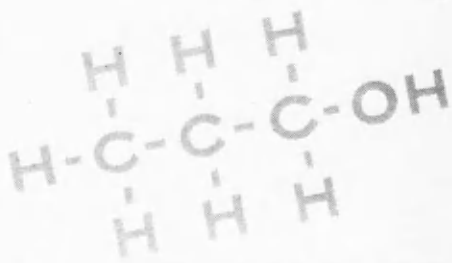
Send for Free Booklet and Samples. If you are interested in qualities not covered in the above specifications, write to the Petrolite Corporation for complete information and samples—if you have a special application problem, ask for technical advisory assistance—it is available to all Crown customers. Your free descriptive bulletin is now available.

PETROLITE Crown Quality WAX
PETROLITE CORPORATION, LTD., Wax Division
29 Broadway, New York 6, New York
Refinery, Box 390, Kilgore, Texas

CELANESE OFFERS n-PROPYL ALCOHOL IN VOLUME







The Celanese chemical plant at Bishop, Texas, is now offering n-propyl alcohol in drum or tank car lots for early delivery. If you are looking for processing advantages in your manufacturing; for improvements in your products; or for shortcuts in your production, the advantages of this straight chain hydrocarbon are worth investigation.

PHYSICAL PROPERTIES

MOLECULAR WEIGHT		60.06
COLOR		water white
ODOR		characteristic alcohol-like odor
SPECIFIC GRAVITY	20°/4° C	0.804
DISTILLATION RANGE	ASTM	2° including true boiling point
WEIGHT PER GALLON	20° C	6.7 lbs.
SOLUBILITY		soluble in water, alcohol, ether and practically all other organic solvents
FLASH POINT	open cup	32.2° C
BOILING POINT	1 atm.	97.2° C
FREEZING POINT		−127° C
VAPOR PRESSURE	100° F or 37.8° C	0.9 lbs. per sq. in.

n-propyl alcohol possesses excellent solvent power and miscibility —can also be used as a replacement for other alcohols now in critical supply. Call or write for additional information.
Celanese Chemical Corporation, division of Celanese Corporation of America, 180 Madison Avenue, New York 16, N. Y.

PROPIONALDEHYDE
A Celanese Chemical with Possibilities for You

Here is a Celanese chemical with great industrial possibilities. Propionaldehyde—hitherto obtainable only in laboratory amounts—is now being produced by Celanese, and can be supplied in quantities large enough for pilot plant operation.

Furthermore, you can depend on Celanese for a steady supply of this aldehyde, when you are ready for full-scale production. Write for further information.

Celanese Chemicals*

FORMALDEHYDE • ACETALDEHYDE • ACETIC ACID • METHANOL
ACETONE • ORGANIC PHOSPHATES • PLASTICIZERS • INTERMEDIATES

*Reg. U. S. Pat. Off.

Woodflour, 40 mesh, bulk, c.l., N. Tonawanda, N. Y.	ton.	No prices
60 mesh, same basis	ton.	No prices
80 mesh, same basis	ton.	No prices
100 mesh, same basis	ton.	No prices
Woodflour, in bags, 25c. each extra, returnable.		
Wormseed, American, bgs.	lb.	.20 - .27
Levant, bgs.	lb.	4.25 - 4.80
Wormwood, bls.	lb.	.50 - .60

X

Xanthorrhiza, bls.	lb.	.28 - .30
Xylidin, mixed, dms.	lb.	.38 - —
Xylene (see Xylol).		
Xylol (xylene), indust., ret. dms., works	gal.	.27 - —
tanks, E. of Omaha, frt. alld.	gal.	.22 - —
West Minnequa, Colo.	gal.	.22 - —

Prices on xylol from petroleum, tanks, delivered (maximum freight allowance in parentheses), are:—Ark., 23c.; Del.-Md.-D. C., 23c. (2¾c.); Detroit, 23c. (1 8/10c.); La., 23c.; N. E., 23c. (2¼c.); N. J., 23c.; N. Y., 23c.; N. C., 23c. (5c.); Pa., 23c. (2¾c); S. C., 26c. (6c.); Tenn., 23c. (3¾c.); Va., 24c. (3½c.); W. Va., 22c. (2¾c.); the Chicago price is 20c. f.o.b. terminal.

10°, ret. dms., works	gal.	.30 - —
tanks, E. of Omaha, frt. alld.	gal.	.26 - —
5°, ret. dms., works	gal.	.31 - —
tanks, E. of Omaha, frt. alld.	gal.	.32 - —
3°, ret. dms., works	gal.	.42 - —
tanks, E. of Omaha, frt. alld.	gal.	.37 - —

Y

Yara yara, cryst., bots., cns.	lb.	1.62 - 1.75
Yeast, brewer's dry, 50 B units, dms.	lb.	.35 - —
90 B units, dms.	lb.	.45 - —
200 B units, dms.	lb.	.50 - —
800 B units, dms.	lb.	.60 - —
Yellow, barium chromate, CP, bgs., l.c.l., divd. N. of Tenn. and N. C., E. of Miss. R., including Davenport, Minneapolis, Rock Island, St. Louis, St. Paul.	lb.	.32 - —

Barium chromate yellow price differentials in other States and city zones are those for chrome yellow below.

Benzidin, bbls., divd.	lb.	1.60 - —
Cadmium, lithopone, all shades, bbls., frt. alld. E. of Rockies.	lb.	.55 - .60

Los Angeles and San Francisco, ex whse. 1c. per lb. higher.

Chrome, CP, bbls., divd. N. Tenn. and N. C., E. of Miss. R., includ. Davenport, Minneapolis, Rock Island, St. Louis, St. Paul, contracts.	lb.	.24 - —

Chrome, CP, bbls., divd. Ala., Fla., Ga., La. (Shreveport), 1¼c. higher; Miss., N. C., S. C., Tenn., Dallas, Tex., 1¼c. higher; Ft. Worth, Tex., 1½c. higher; El Paso, Tex., 2c. higher; Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. higher divd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago

Yellow, Dutch, pink, bbls.	lb.	.09 - .11
Hansa, bbls., same basis as chrome.	lb.	1.48 - —
primrose, bbls., same basis.	lb.	1.90 - —
Iron oxide, nat., bbls., c.l., Bethlehem, Easton, Pa.	lb.	.04¼- —
l.c.l., same basis	lb.	.05 - —
synthetic, bbls., c.l., works	lb.	.07¼- —
l.c.l., works	lb.	.07½- —
Mercury oxide, bbls., 1,000 lbs.	lb.	2.43 - —
smaller lots	lb.	2.45 - —
Ocher, American, golden, bbls., works	lb.	.04½- .06¾
yellow, bgs., works	lb.	.02¾- .03¾
French type, bgs., c.l.	lb.	.03¾- —
l.c.l.	lb.	.04 - —
Persian orange (see O).		
Zinc, bbls., same basis as chrome.	lb.	.17¼- —
Navy spec. type bbls., contract.	lb.	.19 - —
Yellow dock root, bls.	lb.	.33 - .40
Yellow xanthorrhiza (see Xanthorrhiza).		
Yerba santa leaves, bls.	lb.	.32 - .35
Yohimbine hydrochloride, vls. & oz.		3.25 - 4.00

Z

Zein, bgs., 1,000 lbs., works	lb.	.25 - —
smaller lots, bgs.	lb.	.30 - —
Zinc acetate, tech., bbls., divd.	lb.	.18 - .21
USP, bbls.	lb.	.29 - .37
kgs.	lb.	.27 - .29
Arsenite, bgs., c.l., frt. alld. E. of Rockies.	lb.	.11¾- .12¾
l.c.l., same basis	lb.	.13¼- .14¼
Borate, bgs., c.l.	lb	.12 - —
Zinc carbonate, tech., rubber-makers' grade, bbls., works	lb.	.09¾- .10½
USP, precip., powd., bbls.	lb.	.32 - —
dms.	lb.	.40 - —
kgs.	lb.	.37 - —
Chloride, tech., fused, dms., c.l., works	100 lbs.	5.00 - —
l.c.l., works	100 lbs.	5.25 - —
gran., dms., c.l., works	100 lbs.	5.75 - —
l.c.l., works	100 lbs.	6.00 - —
solution, 50%, dms., c.l., works.	lb.	.0615- —
l.c.l., works	lb.	.04¼- .04½
tanks, works	lb.	.0250- —
USP, dms.	lb.	.30 - .31
jars	lb.	.25 - .26

Chromate (see Yellow, zinc).

Cyanide, kgs., works	lb.	.34 - .35
Dust, bbls., c.l., divd.	lb.	.1250- .1260
l.c.l.	lb.	.12¾- .13
Fluoride, bbls., works	lb.	.18 - .19
Hydrosulphite, dms., works	lb.	.16 - —
Iodide, NF, jars	lb.	4.65 - —
Laurate, bbls.	lb.	.32 - .38

Metal (quotations in Protective Coatings market).

Naphthenates, 8% Zn, liquid, dms.	lb.	.18¾- —
10% Zn, liquid, dms.	lb.	.22½- —
14% Zn, solid, dms.	lb.	.31¾- —
Oxide, pigment, dom., acicular, bgs., c.l., divd.	lb.	.09½- —
l.c.l., works	lb.	.09¾- —
American process, com'l, lead-free, bgs., c.l., divd.	lb.	.09½- —
l.c.l., works	lb.	.09¾- —
leaded, 5%, bgs., c.l., divd.	lb.	.09½- —
l.c.l., works	lb.	.09¾- —
35% or more, bgs., c.l., divd.	lb.	.11 - —
l.c.l., works	lb.	.11¼- —
50%, bgs., c.l., divd.	lb.	.11⅝- —
l.c.l., works	lb.	.11⅞- —
French process, com'l, lead-free, bgs., c.l., divd.	lb.	.11¾- —
l.c.l., works	lb.	.12 - —
green seal, bgs., c.l., divd.	lb.	.11¼- —
l.c.l., works	lb.	.11½- —
white seal, bgs., c.l., divd.	lb.	.11¾- —
l.c.l., works	lb.	.12 - —
red seal, bgs., c.l., divd.	lb.	.10¾- —
l.c.l., works	lb.	.11 - —
USP, ctns., c.l., divd.	lb.	.12¾- —
l.c.l., works	lb.	.13 - —

Zinc oxide Pac. Coast prices ½c. higher; bbls. prices ¼c. higher than bgs.

Resinate, fused, 1% Zn, lump, 9% Zn, powd., dms.	lb.	.18½- —
Silicofluoride, bbls.	lb.	.15 - .16
Stearate, tech., ctns., 2,000 lbs. to c.l.	lb.	.48 - .49
smaller lots, same basis.	lb.	.50 - —

USP (same prices as tech.).

Sulphate, cryst., 22%, bgs., c.l., works, frt. alld.	100 lbs.	4.15 - —
l.c.l., same basis	100 lbs.	4.90 - —
flake, bgs., c.l., same basis.	100 lbs.	4.80 - —
l.c.l., same basis	100 lbs.	5.55 - —
powd., bgs., c.l., same basis.	100 lbs.	6.75 - —
l.c.l., same basis	100 lbs.	7.50 - —

Zinc sulphate, in bbls., .40c. higher.

Sulphide, pure, bgs., c.l., divd.	lb.	.10 - —
l.c.l., works	lb.	.10½- —
Barium pigment, works, bgs., c.l., divd.	lb.	.07 - —
l.c.l., works	lb.	.07¼- —
Calcium pigment, works, bgs., c.l., divd.	lb.	.07 - —
l.c.l., works	lb.	.07¼- —
Fluorescent pigment, works, frt. alld.	lb.	1.60 - 3.00
Magnesium pigment, bgs., c.l., divd.	lb.	.07 - —
l.c.l., divd.	lb.	.07¼- —

Zinc sulphide and pigment, Pac. coast prices ½c. higher; bbl. prices ¼c. higher than bgs.

Sulphoxylate formaldehyde, ba-bbls., dms.	lb.	.26 - .30
Sulphoxylate, formaldehyde, basic, dms., works, frt. alld.	lb.	.17 - —
normal, dms., works, frt. alld.	lb.	.25 - —
Taliate, 5% Zn, dms.	lb.	.09¾- —

Yellow (see Yellow, zinc)

Zinc-ammonia chloride, dms., c.l., works.	100 lbs.	5.65 - —
l.c.l., works	100 lbs.	6.70 - —
Zinc - cadmium sulphide, fluorescent, cns., works, frt. alld.	lb.	2.00 - 2.80
Zinc-iron oxide pigment, bgs., c.l., divd.	lb.	.07¾- —
l.c.l., divd. E. of Rockies.	lb.	.08¼- —
Pac. cst.	lb.	.08¼- —
ex whse., Pac. cst.	lb.	.08¾- —
Zirconium acetate, solution, bbls., works.	lb.	.25½- —
Hydride, cns., works	lb.	7.00 - 9.00
Nitrate, bgs., works	lb.	3.00 - 4.00
Oxide, 99%, grd., bbls., c.l., works.	lb.	.23½- —
l.c.l.	lb.	.27¾- —
white, 98¼%-99%, grd., kgs., works.	lb.	.30 - —
milled, electric, fused, 2,000-9,999 lbs., works.	lb.	.46 - —
500 lbs. and less, same basis.	lb.	.46¼- .48
Oxychloride, cryst., bbls., 5 tons, works.	lb.	.29¼- —
Sulphate, basic, cake, bbls., c.l., works.	lb.	.18 - —
l.c.l., works	lb.	.18¼- .20
smaller lots, works.	lb.	.20 - .21½

Synthetic Resins and other Branded Paint Materials

(Manufacturers' List Prices)

A

Abalyn (see methyl abietate in Current Market Quotations).		
Aquaplex (resin emulsion type), S-6, bbls., c.l.	lb.	.14 - —
l.c.l.	lb.	.14¼- —
Aroclors, distilled, dms., c.l., works.	lb.	.18 - —
ton lots, works	lb.	.18½- —
single dms., works	lb.	.19 - —
Aroclors, undistilled, dms., c.l., works.	lb.	.15½- —
ton lots, works	lb.	.16 - —
single dms., works	lb.	.16½- —

B

Bakelite, standard materials, C-9 resin concentrate, BR-13260, c.l.	lb.	.45 - —
single drum	lb.	.45½- —

THE PLANT BEHIND THE PRODUCT

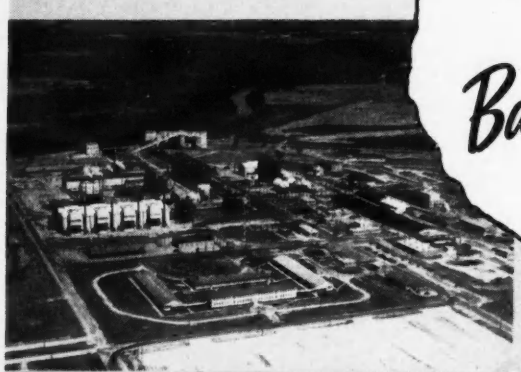
Newest Equipment
Newest Techniques

For Manufacturers of

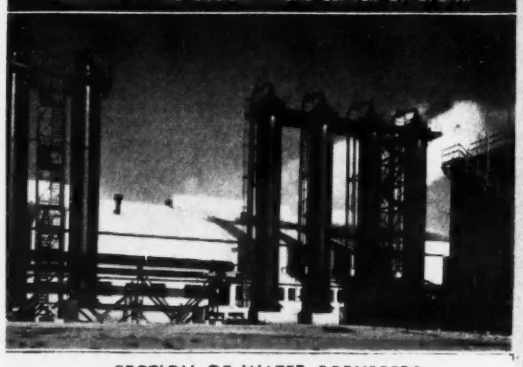
Basic Chemicals

PITTSBURG, KANSAS

CENTRALLY LOCATED TO SERVE ALL U. S. A.

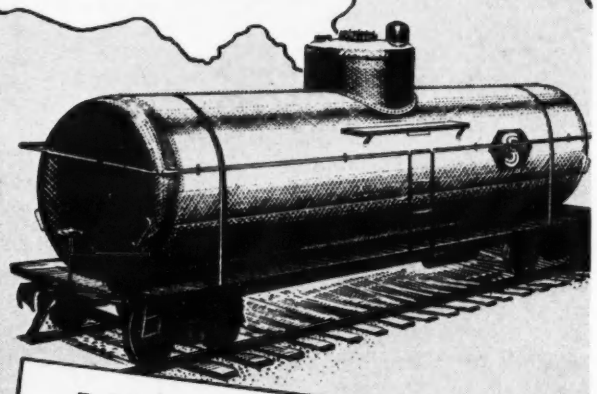


AIR VIEW OF SPENCER'S NEW WORKS AT PITTSBURG, KANSAS, LOCATED IN THE GEOGRAPHICAL CENTER OF U. S. A.



SECTION OF WATER SCRUBBERS

VIEW OF THE "AMMONIA LAB"



ARE YOU READY FOR 1947?

With demand still pacing production, it is practical to broaden your base of Supply for your 1947 requirements of Aqua Ammonia and Anhydrous Ammonia, NH_3.

The vast new, war-proven Spencer works is prepared to make direct tank-car shipments, as scheduled, to any part of the United States. Spencer's central location expedites delivery... assures an even, economical rate of production. It is practical to schedule orders well ahead. Write, wire or phone today.

Spencer Chemical SPENCER COMPANY

General and Sales Offices: Dwight Building, Kansas City 6, Missouri

Works: Pittsburg, Kansas

Bakelite, standard materials, C-9 resin, oil modified, BR-17920..c.l..lb. .53 - —
single drum.....lb. .53½- —
100% phenolic resins, pale, heat hardening, BR-3360, c.l..lb. .37 - —
single drum.....lb. .37½- —
BR-10282, c.l.....lb. .34 - —
single drum.....lb. .34½- —
BR-14634, c.l.....lb. .33 - —
single drum.....lb. .33½- —
Non-heat hardening, BR-254, c.l..lb. .38 - —
single drum.....lb. .38½- —
Heat-hardening, BR-4036, c.l..lb. .39 - —
single drum.....lb. .39½- —
BR-9432, c.l.....lb. .31 - —
single drum.....lb. .31½- —
BR-17700, c.l.....lb. .34 - —
single drum.....lb. .34½- —
Resin concentrates, BR-15775, c.l..lb. .26 - —
single drum.....lb. .26½- —
Dispersion resins, BK-3962, c.l..lb. .31 - —
single drum.....lb. .31½- —
BK-16624, c.l.....lb. .29 - —
single drum.....lb. .29½- —
Lacquer resin, BR-9367, c.l.. lb. .25 - —
single drum.....lb. .25½- —
BJ-15408, c.l.....lb. .39½- —
l.c.l. .....lb. .40 - —
Modified phenolic resins, BR-2072, c.l..lb. .25½- —
single drum.....lb. .26 - —
BR-11544, c.l.....lb. .24 - —
single drum.....lb. .24½- —
Phenolic "resin baking" resins and solutions, BV-1600, c.l..lb. .30 - —
single drum.....lb. .30½- —
BV-10373, c.l.....lb. .35 - —
single drum.....lb. .35½- —

Prices include containers. Deposit of $5.00 will be invoiced for each light gauge drum which is credited upon return of the drum to plant of origin, freight collect, in a usable condition. Prices listed are per pound based on quantities ordered for single shipments. Prices are f.o.b. Bound Brook, N. J., plant, with minimum transportation charges prepaid on units of standard drums in U. S. except as follows where 1c. per pound must be added:—Ariz., Calif., Colo., Idaho, Mont., Nev., New Mex., Oregon, Tex., Utah, Wash., Wyoming. No transportation charges allowed on shipments of any materials in less than standard drum quantities.

C

Cellolyn 102, works, c.l.....lb. .22 - —
10 dms. .....lb. .22¼- —
1-9 dms. .....lb. .22½- —
Cumar resin, AX, non-ret. dms., net weight..lb. .06½- —
BX, net weight.....lb. .06¼- —
CX, gross weight.....lb. .06 - —
DX, gross weight.....lb. .05½- —
EX, gross weight.....lb. .05½- —
FX, gross weight.....lb. .06 - —
MH, Col. 1.....lb. .13 - —
1½-2 .....lb. .12 - —
2½-3½ .....lb. .11 - —
9 .....lb. .09 - —
MS .....lb. .11 - —
P, 10°-90° C., col. 2½ and darker..lb. .11 - —
RH .....lb. .11 - —
RS .....lb. .11 - —
V col. ½.....lb. .14 - —
1 .....lb. .13 - —
1½-2 .....lb. .12 - —
2½ and darker.....lb. .11 - —
W col. ½.....lb. .14½- —
1 .....lb. .13½- —
1½-2 .....lb. .12½- —
2½ and darker.....lb. .11½- —

All "P" grades with melting point below 50 degrees C., and grades AX and BX are shipped in steel drums. Grades CX, DX, EX and FX are sold on a gross weight basis. All other grades are sold on a net weight basis and are shipped in destructible metal drums, but their packaging is subject to change without notice. Prices are based on f.o.b. plant at Frankfort, Pa., freight equalized with Pittsburgh.

D

Dow resin 276 V-2 and V-9, 55-gal. drums, c.l., works. lb. .24 - —
l.c.l., same basis.....lb. .24½- —
5 and 10-gal. drums, same basis..lb. .30 - —
DC-804, dms., 50 gals., works. gal.18.65 - —
30 gals., same basis..gal.18.65 - —
10 gals., same basis..gal.19.40 -19.70
Duraplex (no prices at this time).
Durite, 1301, pale, one drum and over..lb. .29 - —
smaller lots .....lb. .30 - —

Durite prices are f.o.b. Phila., Pa., with freight allowed east of Rocky Mts.

E

Esterol, Group "A," A (E.S. 2), non-ret. dms., l.c.l., works, frt. alld. in U. S. except Ariz., Calif., Colo., Ida., Mont., Nev., N. M., Tex., Utah, Wash., Wyo..lb. .31½- —
D, l.c.l., same basis.....lb. .27½- —
22 (E.S. 202), l.c.l., same basis..lb. .23½- —
25 (E.S. 246), same basis, l.c.l..lb. .20 - —
33 (E.S. 293), l.c.l., same basis..lb. .25 - —
562 (E.S. 19), l.c.l., same basis..lb. .26½- —
660 (E.S. 56), l.c.l., same basis..lb. .23 - —
750 (E.S. 94), l.c.l., same basis..lb. .32 - —
2600 (E.S. 72), l.c.l., same basis..lb. .25½- —
2633 (E.S. 69), l.c.l., same basis..lb. .25½- —
4040 (E.S. 230), l.c.l.....lb. .27½- —
5898, l.c.l., same basis.....lb. .27 - —

Group "A" are standard production items normally carried in the manufacturer's inventory.

Ethocel, ctns. (50-lb.), 5,000 lbs. or more, frt. alld. 100 lbs. up, works..lb. .50 - —
under 5,000 lbs., same basis..lb. .52 - —
under 50 lbs., same basis..lb. .60 - —

F

FCD resins (no prices at the present time due to unstable conditions).

G

G, resin, dms., net weight, works. lb. 09¼- —

Geon polyvinyl resins, Nos. 101 and 102, 30,000 lbs., works. lb. .33 - —
5,000 to 29,999 lbs., works..lb. .34 - —
200 to 4,999 lbs., works...lb. .36 - —
up to 199 lbs., works.....lb. .50 - —
202, 30,000 lbs., works.....lb. .36 - —
5,000 to 29,000 lbs., works.lb. .37 - —
200 to 4,999 lbs., works..lb. .39 - —
up to 199 lbs., works.....lb. .56 - —
203, 30,000 lbs., works.....lb. .38 - —
5,000 to 29,000 lbs., works.lb. .39 - —
200 to 4,999 lbs., works..lb. .41 - —
up to 199 lbs., works.....lb. .58 - —
204, 30,000 lbs., works.....lb. .42 - —
5,000 to 29,999 lbs.....lb. .43 - —
200 to 4,999 lbs.....lb. .45 - —
up to 199 lbs.....lb. .60 - —
Guai-a-phene, ret. dms., dms. on deposit at $4.00 each, works, 50-55 gals..gal. 2.47 - —
10 gals., two fives, per case, works..gal. 2.57 - —
5 gals., one can per case, works..gal. 2.62 - —
6 gals., six ones in single case, works..gal. 2.72 - —
1 gal., in single carton, works..gal. 2.82 - —

H

Hercolyn (see methyl abietate hydrogenated) in Current Market Quotations.
Hydrogum, P-190, dms., c.l...lb. .14½- —
l.c.l. .....lb. .15 - .15¼

J

Jesite (see zinc-iron oxide pigment in regular list above).

K

Koresin, f.o.b. works, one ton or more, dms..lb. .40 - —
single drum.....lb. .42 - —
less than one drum.....lb. .52 - —

L

Lewisol resin, 28, non-returnable light-gauge steel dms., c.l., f.o.b. customer's siding, zone 1..lb. .29 - —
l.c.l., 10 dms., same basis. lb. .29½- —
1-9 dms., same basis..lb. .30 - —
33, c.l., same basis.....lb. .29½- —
l.c.l., 10 dms., same basis. lb. .30 - —
1-9, dms., same basis..lb. .30½- —

Lewisol resin prices are f.o.b. customer's siding, New Eng. and Middle Atlantic States, Va., W. Va., N. C., Ky., O., Mich., Ind., Ill., Wis., St. Paul and Minneapolis, Minn.; St. Louis, Mo. Prices are dms. included, not returnable; net 30 days.

M

Metronite pigment, 120 and 180 mesh, containers included, c.l., f.o.b. Milwaukee..ton.12.00 - —
l.c.l., same basis.....ton.14.00 - —
250 mesh, containers included, c.l., same basis..ton.18.00 - —
l.c.l., same basis.....ton.20.00 - —
325 mesh, containers included, c.l., same basis..ton.20.00 - —
l.c.l., same basis.....ton.26.00 - —
400 mesh, containers included, c.l., same basis ton.27.50 - —
l.c.l., same basis.....ton.38.00 - —

N

Neo-fat drying oil, 170, dms., c.l., dlvd..lb. .32¼- —
190, dms., c.l., dlvd.....lb. .35¼- —
290, dms., c.l., dlvd.....lb. .38¼- —
fatty acid, 3R, dms., c.l., dlvd. lb. .31 - —
17, dms., c.l., dlvd.....lb. .26¾- —
19, dms., c.l., dlvd.....lb. .29¾- —

Neo-fat prices are 1c. per lb. higher in all States west of the Rocky Mountains and ½c. per lb. higher in Texas and Oklahoma. Drums are included and not returnable.

Nevillac, pale, hard, color 1-2, melting point 85-95°C., drums, works..lb. .19 - —
hard, color 2-½-4, melting point 85-95° C., same basis..lb. .17 - —
soft, color 2-½-4, melting point 65-70° C., same basis..lb. .17 - —
10 C, color ½-4, same basis..lb. .24 - —
ZC, same basis.....lb. .23 - —
OA, same basis.....lb. .45 - —
RP, same basis.....lb. .25 - —
TS, same basis.....lb. .45 - —
RT, same basis.....lb. .31 - —
RX, same basis.....lb. .31 - —
Neville, resin,* R-1 nevindene, color ½, dms., works..lb. .14½- —
R-3, nevindene, color 1, dms., works..lb. .13½- —
R-5, nevindene, color 1½-2, dms., works..lb. .12½- —
R-6, nevindene, color 2½-3½, dms., works..lb. .11½- —
R-7, N.P.S., color below 3, dms., works..lb. .14 - —
R-9, hard, color ½, dms., works..lb. .14 - —

BEMIS minute movies

for Shippers who want to save time and money

"The Reform of the Rebellious Powder"

Scenario: A certain Powdered Pigment is full of good qualities but has one bad habit. Wrong handling makes our hero's one weakness show up. He likes to escape and become unconventionally messy, costing money at home and on the way to work. This fellow needs a little discipline! He's always breaking out of ordinary containers, causing complaints. Can he be reformed? Well...

Happy Ending: He meets a strong, dependable, economical container — Bemis Waterproof Laminated Textile Bags. Now our rebellious powder behaves perfectly. He has overcome his only fault. Everybody likes him, and he gives much credit for his popularity to puncture-resistant, siftproof Bemis Waterproof Bags.

PRE-TESTS STOP PROTESTS! Bemis Waterproof Laminated Textile Bags head off complaints because they are tested *before* they are put to work. Their strength and tear-resistant, puncture-resistant qualities are preproved for you. And their economy is attested by thousands of users.

This Bemis Waterproof Bag is light in weight, yet is the strongest shipping bag made. It protects both ways — what's inside the bag and what's outside, too. It assures low-cost protection against sifting, breakage, change in moisture content, escape or absorption of odors, and many other common shipping complaints. A Bemis Waterproof Bag can be made acid-, oil-, or grease-resistant. It's ideal for LCL and export shipments. It saves on container costs and, empty or filled, it saves storage space and freight costs.

If the *exact* Waterproof Bag you need doesn't exist, the Bemis Shipping Research Laboratory will design it for you.

Write today for a copy of "Seven Facts About Low-Cost Protective Packaging"

BEMIS BRO. BAG CO.
WATERPROOF DEPARTMENT
408-A PINE ST. ST. LOUIS 2, MO.
Plants and Offices in 33 Principal Cities

Neville resin, R-10, hard, color 1, dms. works..lb. .13 - —
R-11, hard, color 1½-2, dms., works..lb. .12 - —
R-12, hard, color 2½-3½, dms., works..lb. .11 - —
R-13, medium, color ½, dms., works..lb. .14 - —
R-14, medium, color 1, dms., works..lb. .13 - —
R-15, medium, color 1½-2, dms., works..lb. .12 - —
R-16, medium, color 2½-4, dms., works..lb. .11 - —
R-17, medium, soft, color 3½-8, dms., works..lb. .11 - —
R-19, medium, soft, color 3½-8, dms., works..lb. .11 - —
R-21, soft, color 3½-8, dms., works..lb. .11 - —
R-22, special, soft, color 3½-8, dms., works..lb. .11 - —
R-29, medium, soft, color 2½-8, dms., works..lb. .11 - —
465, 110-125°C., dms., gross weight, Pittsburgh..lb. .04½- —

Neville resin prices, except 465 resin, are freight equalized with Phila. Less than full drum shipments are 5c. per pound additional, f.o.b. Neville Island, Pa.

Nevilloid, C-55 emulsion, ret. dms., works..lb. .12 - —
C-10 emulsion, ret. dms., works. lb. .1125- —
Nextex, 10, returnable dms., works..lb. .08½- —
Nuba, No. 1, 80-90° C., dms., gross weight, works..lb. .03½- —
No. 2, 100-125° C., dms., gross weight, works..lb. .03½- —
No. 3-X, 135-150° C., dms., gross weight, works..lb. .05 - —

Nuodex driers, cobalt, 6%, 400-lb. pkgs..lb. .34 - —
100-lb. pkgs.....lb. .35 - —
Calcium, 5%, 400-lb. pkgs..lb. .25½- —
100-lb. pkgs.....lb. .26½- —
Iron, 6%, 400-lb. pkgs.....lb. .16½- —
100-lb. pkgs.....lb. .17½- —
Lead, 24%, 450-lb. pkgs...lb. .16 - —
100-lb. pkgs.....lb. .17 - —
37%, 500-lb. pkgs.....lb. .24 - —
100-lb. pkgs.....lb. .25 - —
Manganese, 6%, 400-lb. pkgs. lb. .17¾- —
100-lb. pkgs.....lb. .18¾- —
Zinc, 8%, 400-lb. pkgs.....lb. .17¾- —
100-lb. pkgs.....lb. .18¾- —

All prices are dlvd. to customer's plant everywhere in continental U.S.A.

P

Paradene, No. 1, 75-90° C., color 12-16, dms., gross wt., works, lb. .05½- —
2, 100-125° C., color 12-16, dms., gross wt., works.lb. .05½- —
3, 125-140° C., dms., gross wt. works..lb. .06 - —
33, 34, color 10-15, dms., works, lb. .06½- —
35, color 10-15, dms., works, gross wt..lb. .06 - —

Paradene prices are freight equalized with Philadelphia, Pa.

Paranol resin, extra hard, 25, l.c.l., dlvd..lb. .25 - —
30, l.c.l., dlvd.....lb. .24 - —
34, l.c.l., dlvd.....lb. .28 - —
1639, l.c.l., dlvd.....lb. .27 - —
Paranol resin, 1750, l.c.l., dlvd.lb. .26 - —
1855, l.c.l., dlvd.....lb. .25 - —
Parapen, 4511, l.c.l., dlvd....lb. .19 - —
4513, l.c.l., dlvd.....lb. .20 - —
Parazenes, 5 solid resins, c.l. and l.c.l., dlvd..lb. .16¼- —

Pentalyn A, non-ret. dms., f.o.b. customer's siding, zone 1. c.l..lb. .20 - —
10 dms., same basis....lb. .20½- —
1-9 dms., same basis...lb. .21 - —
G, non-ret. dms., f.o.b. customer's siding, zone 1. lb. .21½- —
10 dms., same basis...lb. .22 - —
1-9 dms., same basis...lb. .22½- —
M, non-ret. dms., c.l., f.o.b. customer's siding, c.l., zone 1..lb. .23 - —
10 dms., same basis.....lb. .23½- —
1-9 dms., same basis.....lb. .24 - —
M-802A, non-ret. dms., c.l., f.o.b. customer's siding, zone 1..lb. .23 - —
10 dms., same basis.....lb. .23½- —
1-9 dms., same basis.....lb. .24 - —
X, non-ret. dms., c.l., f.o.b. customer's siding, zone 1. lb. .23 - —
10 dms., same basis.....lb. .23½- —
1-9 dms., same basis.....lb. .24 - —
P.H.O., dms., works.....lb. .24 - —
Piccolastic, A-1, A-5, A-25, A-50, B-50, C-5, C-25, C-50, E-50 types, c.l., Clairton, Pa..lb. .20 - —
l.c.l., same basis.....lb. .20½- —

The above types are sold in heavy gauge steel drums, weighing approximately 52 lbs. each. Drums extra at $1.25 each, and non-returnable.

Piccolastic, A-75, B-75, B-100, C-75, C-100, C-125, D-75, D-100, D-125, D-150, E-75, E-100, E-125 types, c.l., Clairton, Pa..lb. .20 - —
l.c.l., same basis.....lb. .20½- —

The above types are sold on a net weight basis, in light gauge steel drums weighing approximately 15 lbs. each, drums included.

Piccolastic, FT, TX, FHF types, c.l., Clairton, Pa..lb. .12½- —
l.c.l., same basis.....lb. .13 - —

The above types are in heavy gauge steel drums, weighing approximately 52 lbs. each. Drums extra at $1.25 each, and non-returnable.

Piccolyte resins, S-10, S-25, S-40, dms., net. wt., f.o.b. Clairton, Pa., c.l..lb. .19 - —
l.c.l. .....lb. .19½- —
S-55, S-70, same basis, c.l.lb. .20 - —
l.c.l. .....lb. .20½- —
S-85, S-100, same basis, c.l.lb. .21 - —
l.c.l. .....lb. .21½- —
S-115, same basis, c.l.....lb. .22 - —
l.c.l. .....lb. .22½- —
Piccoumaron resins, 420, 420-S, dms., net wt., f.o.b. Clairton, Pa., frt. equald..lb. .09½- —
420-T, gross wt., f.o.b. works, lb. .07½- —
422-R, 423-R, 425-R, 427-R, dms., net. wt., f.o.b. works, frt. equald..lb. .11 - —
430, 435, bulk, gross wt., same basis..lb. .05½- —
440-T, f.o.b. works.....lb. .07 - —
450, 450-H and 450-S, f.o.b. works, frt. equald..lb. .10½- —
450-EH, same basis.....lb. .10½- —
460-T, f.o.b. works.....lb. .07 - —
XX-25, XX-40, bulk, net. wt., f.o.b. works, frt. equald. lb. .06½- —
XX-55, dms., gross wt., same basis..lb. .06 - —
XX-70, XX-100, same basis..lb. .05½- —
XX-115, same basis.....lb. .06 - —
T-115, f.o.b. works.....lb. .08 - —
60%, 420-ES Sol., non-ret. dms., c.l..lb. .08 - —
Pliolite, S-5, milled resin, 200-lb. dms., works..lb. .60 - —
Polypale, ester, No. 10, non-ret. dms., c.l., dlvd..lb. .23 - —
10 dms., same basis....lb. .23¼- —
1-9 dms., same basis...lb. .23½- —

R

Resinous oil, No. XI, returnable dms., works..lb. .02 - —

S

Saran F-120 resin, c.l., works.. lb. .57 - —
l.c.l., same basis.....lb. .59 - —
F-122 latex, approx. 56% solids contained, wood bbls. (55 gals.), c.l., works..lb. .40 - —
l.c.l., same basis.....lb. .44 - —
10-gal. bbls., same basis.. lb. .50 - —
Silene (see Calcium silicate hydrated under C in Current Market Quotations).
Staybelite ester, No. 10, non-ret. dms., c.l., f.o.b., customer's siding, zone 1..lb. .25 - —
10 dms., same basis.....lb. .25½- —
1 dm., same basis.....lb. .26 - —
Syntex resins, 9 (or 1922), non-ret. dms., c.l., works, Louisville, Ky..lb. .32¾- —
l.c.l. .....lb. .33¼- —
H12, c.l., same basis.....lb. .30 - —
l.c.l., same basis.....lb. .30½- —
H15, c.l., same basis.....lb. .26 - —
l.c.l., same basis.....lb. .26½- —
16, c.l., same basis.....lb. .37½- —
l.c.l., same basis.....lb. .38 - —
18, c.l., same basis.....lb. .30½- —
l.c.l. .....lb. .31 - —
19-B, c.l., same bahis.....lb. .33 - —
l.c.l. .....lb. .33½- —
23, c.l., same basis.....lb. .30½- —
l.c.l. .....lb. .31 - —
23-R, c.l., same basis.....lb. .26¾- —
l.c.l. .....lb. .27¼- —
28, c.l., same basis.....lb. .37¼- —
l.c.l. .....lb. .37¾- —
32, c.l., same basis.....lb. .27¾- —
l.c.l. .....lb. .28¼- —
32-R, c.l., same basis.....lb. .23½- —
l.c.l. .....lb. .24 - —
40, c.l., same basis.....lb. .33 - —
l.c.l., same basis.....lb. .33½- —
40-R, c.l., same basis.....lb. .29¾- —
l.c.l., same basis.....lb. .30¼- —
55, c.l., same basis.....lb. .28¾- —
l.c.l. .....lb. .29¼- —
60, c.l., same basis.....lb. .31¾- —
l.c.l. .....lb. .32¼- —
60-A, c.l., same basis.....lb. .31¾- —
l.c.l., same basis.....lb. .32¼- —
115, c.l., same basis.....lb. .25 - —
l.c.l. .....lb. .25½- —
117, c.l., same basis.....lb. .20½- —
l.c.l., same basis.....lb. .21 - —
121, c.l., same basis.....lb. .30½- —
l.c.l. .....lb. .31 - —
217, c.l., same basis.....lb. .31¼- —
l.c.l. .....lb. .31¾- —
1979, c.l., same basis.....lb. .31¼- —
l.c.l. .....lb. .31¾- —

U

U formite (no prices at this time).

V

Vanadiset resins, grade A, 285-300° F, m.p., whse..lb. .018 - .040
H, 245-255° F, m.p., whse.lb. .0250- .050
C, 315-340° F, m.p., whse.lb. .018 - .040
D, 170-180° F, m.p., whse.lb. .018 - .040
MR, 260-270° F, m.p., whse. lb. .014 - .030
pulverized, whse.....lb. .0850- .210
solution, whse.....lb. .4000- .650
Velsicol, resins, AD-3-3, dms., c.l., f.o.b. works..lb. .13 - —
10 dms. up, works.....lb. .13½- —
1-9 dms., works.....lb. .14 - —
AB-11-4, dms., c.l., works, lb. .09¼- —
Solutions, AD-660, tankcars, works..lb. .08⅝- —
dms., c.l., works.....lb. .10 - —
l.c.l., works.....lb. .10½- —
AD-670, tankcars, works..lb. .09⅞- —
dms., c.l., works.....lb. .11⅛- —
l.c.l., works.....lb. .11⅝- —
AB-400, tankcars, works...lb. .06⅞- —
dms., c.l., works.....lb. .08 - —
l.c.l., works.....lb. .08½- —
dms., l.c.l., works..lb. .09½- —

Cost of non-returnable drums included in the above prices.

Solvents, No. 1, frt. alld., Midwest, tankcars..gal. .16 - —
dms., l.c.l., works.....gal. .22 - —
No. 1-A, tankcars, frt. alld., Midwest..gal. .17 - —
dms., l.c.l., works.....gal. .23 - —
No. 2-A, tankcars, frt. alld., Midwest..gal. .20 - —
dms., c.l., works.....gal. .26 - —
No. 2-D, frt. alld., Midwest, tankcars..gal. .19 - —
dms., l.c.l., works.....gal. .25 - —
No. 3-C, frt. alld., Midwest, tankcars..gal. .19 - —
dms., l.c.l., works.....gal. .25 - —
No. 3-D, frt. alld., Midwest, tankcars..gal. .18 - —
dms., l.c.l., works.....gal. .24 - —

Why VELSICOL RESINS

Retain LEADERSHIP!

Velsicol versatile resins possess the desirable qualities that insure *more* lasting, *more* satisfactory results in decorative and protective coatings.

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Vehicles formulated with Velsicol resins are resistant to water, alkali, and acid—and have good adhesion to wood or metal.

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Manufacturers of: Synthetic Resins • Insect Toxicants • Aromatic Solvents • Coresin Core Oils

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Branch Offices: New York • Detroit • Cleveland

Representatives: E. B. Taylor Co., Los Angeles 13 • E. M. Walls, San Francisco 11 • J. E. Russell, Houston 1

In Canada: Natural Products Corp., Montreal 2

Velsicol solvents, AR-50, f.o.b. works, tankcars..gal.	.34	-	—
l.c.l. .....gal.	.41	-	—
AR-53-A, f.o.b. works, tankcars..gal.	.25	-	—
l.c.l. .....gal.	.32	-	—
AR-53-B, f.o.b. works, tankcars..gal.	.24	-	—
l.c.l. .....gal.	.31	-	—
Cost of drums, $3 extra remaining customer's property.			
Vinylseal, modified, vinyl acetate resin, 24.5% by weight, solution in toluene, T-24-9, nonret. dms., 20-dm. lots, same basis..gal.	2.00	-	—
drum lots, same basis....gal.	2.25	-	—
less than drum lots, same basis..gal.	2.50	-	—
29% by weight, solution in 42% methyl acetate, MA 26-18, 20-drum lots, same basis..gal.	2.15	-	—
drum lots, same basis..gal.	2.40	-	—
less drum lots.....gal.	2.65	-	—
All "Vinylseal" containers except 5-gal. cbys. non-returnable.			
Freight allowed to destinations in New England, Middle Atlantic States, Va., N.C., S.C., W. Va., O., Ky., Tenn., Ind., Ill., Mich., Wis., Ia., Mo. and Minneapolis, St. Paul, and Duluth, Minn. For shipments to all other points in U.S., add ½c. per lb. to c.l. and ¾c. to l.c.l. prices.			
Vinyl chloride-acetate, VYLF, VYHH, VYNW, VYNU, VYNV, VYNY, VYNL, powdered, c.l. (30,000 lbs.), paper bgs, f.o.b. cars, South Charleston, W. Va..lb.	.33	-	—
10,000 to 29,999 lbs., same basis..lb.	.34	-	—
200 to 9,999 lbs., same basis. lb.	.35	-	—
1 to 199 lbs., same basis..lb.	.51	-	—
VYNS, c.l. (30,000 lbs.), paper bgs., same basis..lb.	.44	-	—
10,000 to 29,999 lbs., same basis..lb.	.45	-	—
200 to 9,999 lbs., same basis. lb.	.46	-	—
1 to 199 lbs., same basis..lb.	.62	-	—
VYCM, powd., c.l., 30,000 lbs., paper bgs., f.o.b. cars South Charleston, W. Va. lb.	.38	-	—
10,000-29,999 lbs., same basis..lb.	.39	-	—
200-9,999 lbs., same basis. lb.	.40	-	—
1-199 lbs., same basis.lb.	.56	-	—
VMCH, c.l. (30,000 lbs.), same basis..lb.	.39	-	—
10,000 to 29,999 lbs., same basis..lb.	.40	-	—
200 to 9,999 lbs., same basis. lb.	.41	-	—
1 to 199 lbs., same basis..lb.	.57	-	—
modified, acetate resins, AYAB, lumps (in fiber drums at option of seller); AYAA, AYAF, AYAT, granular (in paper bags only), f.o.b. cars South Charleston, W. Va., freight paid to destination E. of Mississippi River, c.l. (30,000 lbs.)..lb.	.40	-	—
AYAB, AYAA, AYAF, AYAT, 2,000 to 29,999 lbs., same basis..lb.	.43	-	—
200 to 1,999 lbs., same basis. lb.	.45	-	—
1 to 199 lbs., same basis.lb.	.60	-	—
AYAC, gran., fiber drms. at option of seller, c.l. (30,000 lbs.), f.o.b. cars South Charleston, W. Va.lb.	.43	-	—
2,000-29,999 lbs., same basis..lb.	.45	-	—
200-1,999 lbs., same basis. lb.	.47	-	—
1-199 lbs., same basis..lb.	.62	-	—
QYNA, pwd., c.l. (30,000 lbs.), same basis..lb.	.33	-	—
10,000 to 29,999 lbs., same basis..lb.	.34	-	—
200 to 9,999 lbs., same basis. lb.	.35	-	—
1 to 199 lbs., same basis..lb.	.51	-	—
butyral resins, XYHL, XYHM, XYNC, granular, 96 to 97% solids, prices based on contained solids (in paper bags at option of sellers), 30,000 lbs., f.o.b. cars South Charleston, W. Va., c.l...lb.	.62	-	—
10,000 to 29,999 lbs., same basis..lb.	.83	-	—
200 to 9,999 lbs., same basis. lb.	.84	-	—
1 to 199 lbs., same basis.lb.	1.00	-	—

Surplus Materials

—*Continued from page 4*

delphia, PHO-71-434; 1-pound blocks, 1,212,962 pounds, 7 cents per pound, same listing; 400 pounds, $50 for lot, same listing.

Venetian red, twenty-nine 25-pound bags, $2.50 per bag, Seattle, SE-E-1144.

Zinc cyanide, 1,642 pounds, in job lot of metal-treating agents, Tulsa, TUO-71-130, February 12.

Something like $9,000,000 worth of mixed paints and other coatings and related products are currently on sale by WAA. Many of these items are listed by the Seattle office in SE-E-218, open until February 13, and SE-E-1144, fixed prices.

The Department of Agriculture is offering for bidding up to February 21, in announcement SC-144, details in SC-S834 particulars from Robert R. Freeman, telephone, Republic 4142, extension 2842, Washington:—

Ester gum (resin ester), clear, water-white, 105,656 pounds, in packages of 328 pounds and 454 pounds, located at Naval Supply Depot, Clearfield, Utah.

Among a large number of all sorts of industrial apparatus and other equipment offered at fixed prices by the Philadelphia WAA office in sale No. 8-034-01 are the following items:—

Agitators, powered, one F-15, $107; one F-16, $377.

Ammonia tees, flanged, 3-inch all ways, fifteen, $5.75 each.

Drums, fiber, 23-in diameter, 34-inch depth, lining; 400, with 16,000 locking rings, 1,800 lids, and 69,000 scaling discs, $2,200 for the lot.

Pumps, thirteen, various styles, $17.40 to $290 each.

Screen, Day No. 82, 40 inches by 10 inches, $805.40; six sieves for same, $30 each.

Specific gravity testers, five, $48 to $52.80 each.

Tanks, nine, plain and stainless steel, various sizes, $25 to $372 each.

The New York WAA office is offering (NYO-67-1167) beginning February 3, f.o.b. Bayonne, N. J., three 6-ton evaporating systems, unused, at $910 each; six 12-ton evaporating systems, at $2,408 each; three, 12-ton evaporating systems, at $2,100 each; and one 80-ton evaporating system, at $11,445 each.

Foreign Sales Leads

—*Continued from page 4*

Cyclohexanone, Brussels, Belgium (D-1).

Diacetone alcohol, Brussels, Belgium (D-1).

Ethyl acetate, Brussels, Belgium (D-1).

Ethyl lactate, Brussels, Belgium (D-1).

F salt, Brussels, Belgium (D-1).

Insulating varnish, Schlessin lez Liege, Belgium (D-7).

Iron oxide, fabricated, Rio de Janeiro, Brazil (D-13).

Lampblack, Rio de Janeiro, Brazil (D-13).

Lithopone, Rio de Janeiro, Brazil (D-13).

Magnesium carbonate, light, Brussels, Belgium (D-1).

Nicotine sulphate, 40%, Baghdad, Iraq (D-2).

Paris green, Baghdad, Iraq (D-2).

Pharmaceutical chemicals, Copenhagen, Denmark (D-5).

Pharmaceuticals, Sao Paulo, Brazil (D-4); Panama (D-6); Brussels, Belgium (D-8).

Phenothiazin, Rio Grande do Sul, Brazil (D-12).

Potassium bichromate, Brussels, Belgium (D-1).

Potassium permanganate, technical, Brussels, Belgium (D-1).

Propyl alcohol, Brussels, Belgium (D-1).

R salt, Brussels, Belgium (D-1).

Soda ash, Brussels, Belgium (D-1).

Sodium arsenite, Baghdad, Iraq (D-2).

Sodium bicarbonate, Rio de Janeiro, Brazil (D-13).

Sodium bichromate, Brussels, Belgium (D-1).

Sodium fluoride, Baghdad, Iraq (D-2).

Thermoplastic raw materials, La Garenne-Colombos, France (D-11).

Titanium oxide, Rio de Janeiro, Brazil (D-13).

Tobias acid, Brussels, Belgium (D-1).

Tricresyl phosphate, Brussels, Belgium (D-1).

Triphenyl phosphate, Brussels, Belgium (D-1).

Urea, technical, Brussels, Belgium (D-1).

Zinc oxide, Rio de Janeiro, Brazil (D-13).

Corning Glass Names Ritter to So. Amer. Post

Eugene W. Ritter, vice-president and manager of the Consumer Products Division, has been made president of Corning Glass Works of South America. He, Mr. Ritter, succeeds William H. Curtiss, now president of the South American organization, who will continue as vice-president and secretary of Corning Glass Works, with general supervision of its affiliates in South America.

Corning Glass Works of South America was organized in 1943 as a wholly-owned subsidiary to handle Corning's expansion program in the Southern Hemisphere. It now has three South American affiliates:—Vidraria Santa Marina of Sao Paulo, Brazil; Cristalerias de Chile of Santiago, Chile, and Cristalerias Rigolleau of Buenos Aires, Argentina, where Mr. Ritter will make his headquarters.

available now...

in drums or carloads to manufacturers of interior and exterior finishes.

aroplaz 1299 **SOLUTION**

(75% solids in mineral spirits)

an oxidizing resin of medium-to-long oil length — hard resin modified, phthalic-free.

the versatile resin

Films of Aroplaz 1299 air-dry well overnight, or bake in one hour at 250 degrees F. to glossy, durable finishes. Aroplaz 1299 is suitable for use in whites, as well as in all tints and colors — and the colors stand up! It supplies good resistance to water, abrasion, and alkali — making it highly washable! This versatile resin is recommended for architectural-type finishes, for air-dry or low-bake industrial finishes, and for exterior finishes when extended with additional oil.

Samples and further data are yours for the asking. Just write or phone the U.S.I. office nearest your plant.

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60 East 42nd Street, New York 17, N. Y.

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OPD—2-3-1947

Oil, Paint and Drug Reporter

Founded October 18, 1871, by William O. Allison
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Steadiness Is Essential

There is a constantly increasing realization on the part of business leaders that a way must be found—and applied—to make the "American" system of "free" enterprise function with a much closer approach to its theoretical and much proclaimed potentialities. They are beginning to admit that the system has many practical faults. While they still argue—and they are right—that no other system is fundamentally as good as that of "free" enterprise and that no other type of that system is better than the "American," they are ready to admit also that, unless they get rid of its "bugs," somebody else is going to do the exterminating—and that will not stop with "bugs."

The one fault of the "American" system of "free" enterprise that is beginning to get due consideration from business leaders is its instability, in the sense of unsteadiness or inconstancy. It is unquestionable that business would be much better if it were freed from seasonal variations and boom-and-bust cycles. There is a growing belief that seasonal variations and boom-and-bust cycles can largely be avoided. The chairman of the trustees of the Committee for Economic Development says:—

> CED is guided by the conviction that the free American economy can be made to operate without the damaging succession of booms and busts that we have suffered in the past. In a free economy, of course, there will always be fluctuations. Our job is to minimize these fluctuations by understanding their causes and by taking positive steps to effect their cure.

In large part, the same is true of at least most seasonal variations in manufacturing operations. Positive steps in both areas are most desirable. Labor's proposed "cure"—an annual wage—quite easily could induce consequences worse than the symptoms which it might relieve.

Punitive Paternalism

There is a lesson for those who advocate governmental support, subsidy, and succor for business in the recent experience of the Dairymen's League Cooperative Association. It cost the dairymen fines totaling $29,000 to learn that, once you have enlisted the aid of government for the assurance of your profits, you dare not go trying to make the same kind of profits for yourself.

The dairymen's organization and some of its executives were fined under the commodities exchange act, after pleading guilty to buying butter in the open market with the purpose of rigging the market in order that the price of milk might remain pegged at a high level, the price of milk, under the formula of the United States Department of Agriculture, being keyed to the price of butter. The department had refused to suspend the formula and peg the price of milk in the New York region, although it had pegged the Boston price.

Several excuses were offered in extenuation of the rigging, including a declaration that the government had done the same thing on previous occasions—it is currently rigging the market for frozen eggs in that way. But, as the advocates of government subsidies and such apparently do not recognize, the government is a privileged operator and, as the old saying had it:—"When you have sold your soul to the devil you have to do as he says."

Congressional Time-Wasting

With respect to the action of the previous session on streamlining, the attitude of the current Congress appears to be "Oh! that was then; things are different now." Especially is this true with reference to special committees. Both houses are going right along resoluting this or that or some other job to be done by a special committee. They are also unanimously piling on regular committees jobs which have only a remote relation to any legislative functioning. Of course, there are so many such jobs—and nothing equals them for "getting your name in the papers"—that the regular committees just can't handle them all.

Maybe it is a congressional job to investigate the all-too-common crashings of airplanes, although there is no probing of the more common crashings of automobiles. In any event, it would seem to be the province of Congress to have the matter investigated by the Civil Aeronautics Board, the Interstate Commerce Commission, and the Department of Justice. Of course, it may be, as D.M.K. has suggested, that Congress has some idea of repealing or amending the law of gravity.

There's a special committee probe on foot in the house looking into the supply of paper—looking into the use of it might come too close to home. Why such things would not better be handled by the Department of Commerce, or the Federal Trade Commission, or some other business bureau of the government is not clear to him who reads about the way in which the members of the house operated a bank. Congress should stick to legislating.

Washington Talks It Over

—Continued from page 5

have joined in opposing the government's claim to title to these lands. It is their contention that, from the time of the formation of the union it was understood that the Federal government had no claim to the lands inside of the 3-mile limit and that in some instances this is clearly indicated in legislation that brought the State into the union. But the Federal government pays for breakwaters and similar constructions in such areas. The nub of controversy is the control of of the minerals in these tidelands. With offshore oil drilling now an actuality, the Department of the Interior is insisting on its authority to control these operations.

Last year, President Truman vetoed legislation giving the States clear title to the lands, on the grounds that the matter was one to be settled by the supreme court. A test case involving lands along the California coast is now before the court and will be argued within a month. It can be expected that Mr. Truman will veto similar legislation again on the same grounds.

Social Security Differences

The Social Security Administration is urging the State governments to increase unemployment insurance benefits and extend the coverage to millions of new workers, in view of the fact that the accumulated trust fund reserves have reached $6,800,000,000. The agency says this is more than ample to take care of immediate, foreseeable liabilities and the States are justified in re-examining their programs to make them more adequate.

Among the things being proposed is that maximum weekly unemployment benefits be increased to $25 in all States; that the duration of the benefits run for six months; that the coverage be extended to small firms, State and local government employees, agricultural workers, workers in nonprofit institutions, and private maritime employment.

Business spokesmen are opposing the program until there has been a longer experience period with the present system. They argue that these funds were built up during periods of high employment and high wages and there has been no opportunity to measure the effects of a business recession on the system. They also argue that at present there are too many inherent difficulties in the present system of cash benefits for sick or temporarily disabled. They have found too many instances where benefits are high during the summer "vacation" months, and lower during the winter "sickness" months.

Surplus Disposal Assailed

In the opinion of at least one congressional investigating committee, the entire program of surplus property disposal is on the "brink of collapse." The investigating staff of the senate military affairs committee has just issued a report sharply critical of the policies of the agency and calling for a thoroughgoing overhauling of the entire setup.

Pointing out that after three years' operation two-thirds of all surpluses are still left for disposal, the report finds that the main causes are poorly qualified top personnel, largely military; bad staff organization, resulting in "an almost complete bottleneck at the top"; extreme shifting from one disposal method to another "in a futile search for a nonexistent panacea"; and an "inflexible and unrealistic" pricing policy.

The committee's panacea for WAA's troubles, in addition to an overhauling of personnel, internal organization and policies, is to place the agency on a statutory basis, with its priority system eliminated. The recommendation in this respect differs but little from that proposed time and again by WAA itself and other committees of Congress, but until all "favorite sons" have been taken care of, it's still a good bet that Congress won't do anything more than criticize the agency.

Transportation Tightens

From all indications available, the transportation situation is going to get worse before it gets better. The thirteen regional shippers' advisory boards of the Association of American Railroads in their estimates of car requirements for the first quarter of this year are predicting an increase of 8.8 percent in shipments over the same quarter of last year.

These forecasts are based on thirty-two commodity groups and the degree of accuracy of these forecasts since started in 1927 has been such that it is not surprising that the quarterly estimates of future carloadings have continued to be accepted as the most comprehensive and reliable barometer of industrial conditions available. Therefore, in view of the present tight freight car situation, a further increase in demands for cars demonstrates the need for even more intensified effort in the matter of movement of cars by carriers, shippers and consignees.

Keep 'em movin'! is a slogan of real importance to all.

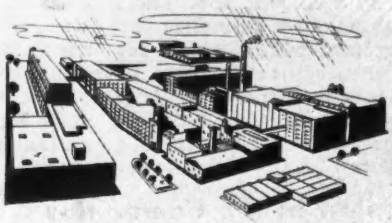
Congressional Reaction

It hasn't taken the senate very long to start punching holes in the congressional streamlining law. Voting along almost strictly party lines, the upper house has decided to revitalize its defense-investigating and small business - investigating committees, contrary to the spirit of the highly touted congressional reorganization act.

One of the big selling points of this law last session was that it was going to do away with special committees and have such work done by the regular standing committees of Congress. This would give the lawmakers more time to attend to legislative matters and speed up the processes of government since special committees, as a general rule, do not have authority to report bills for floor action. By having the investigations made by the regular committees, the facts could be uncovered and the remedies applied at the same time.

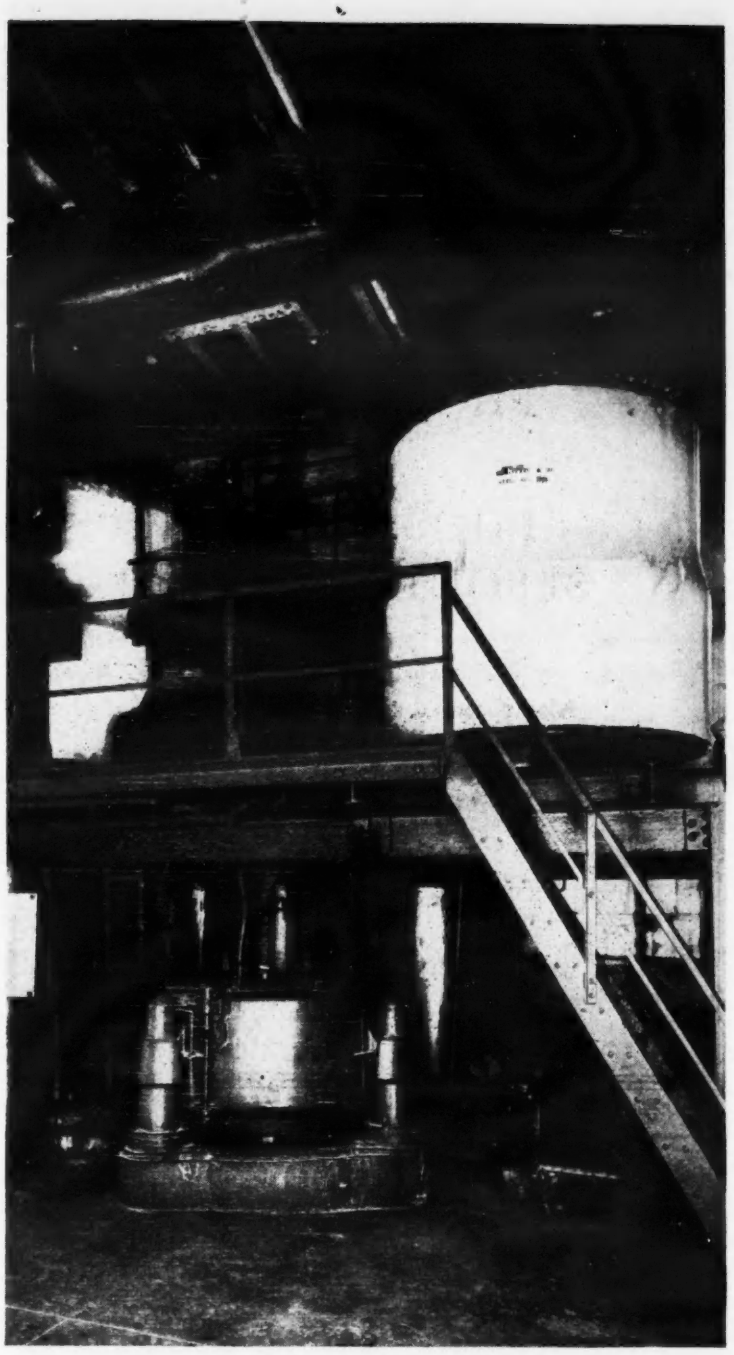
However, politics is still the biggest factor that moves Congress to action. The Republicans want the chance to make some investigations which they accuse the Democrats of suppressing in the defense committee last session for political reasons. They thought too that little business would feel it had been let down if it didn't have a special committee to look after its interests. Of course, the Republicans didn't announce these reasons but they were obvious. They said that the interests of both these committees were so wide that no one standing committee had sufficient jurisdiction to handle the problems satisfactory.

...CAPACITY IS IMPORTANT



but

KNOW-HOW
is more important



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Heavy Chemicals

Buyers experienced about the same difficulty in securing additional quantities of heavy chemicals at the close as at the beginning of January. The stock shortage was general in all the heavy tonnage chemicals. Production is heavily sold against contract accounts and present prospects are not encouraging for any early easement in buying conditions. The overall price structure is firm and price adjustments have continued to favor higher levels. Suppliers assert that to date they have found little buyer resistance to the higher selling levels. Consumer inventories are reported to average low and the present disposition is to maintain stocks sufficiently large to meet any possible emergency. The tankcar and boxcar shortage along with the scarcity of other containers has caused delays in the movement of chemicals from works and added to the consumer pressure for shipments.

An increase of one cent per pound in the price of copper metal by a leading custom smelter was not followed by a similar advance by mine producers. If the advance becomes general, a reflection in prices of copper chemicals can be expected. An advance in the cyanide of copper market was in response to a previous upward revision in the basic material. Zinc acetate and zinc cyanide have been advanced and methylchloride is listed higher for the refrigeration grade. Oxalic acid shipments are delayed wtih the movement in some producing quarters several months behind schedule. Glacial acetic acid stocks continued exceedingly tight and very little sulphuric acid in tankcars was available for prompt delivery. Conditions in soda ash and caustic soda have not improved. Consumers are receiving the amounts allocated by producers but desire considerably more than current production will permit. Demand has shifted from weed-killer to industrial uses for chlorate of soda and inquiry is steadily mounting.

Paper production as a percentage of six-day capacity was 103.7 in the week ending January 17, according to the American Paper and Pulp Association. This compares with 103.8 the previous week and 94.5 percent a year ago.

Market Trends

Prices Advanced

Copper cyanide, 6½c. per lb.
Magnesia silicofluoride, 6c. per lb.
Methyl chloride, refrigeration grade, 1c. per lb.
Zinc acetate, 2c. per lb.
Zinc cyanide, 1c. per lb.

Prices Reduced

None

Comparative Price Indexes

General Chemicals

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
194.5	194.5	188.7	168.9

Acids

Last week.	Prev. week.	Last month.	Last year.
119.1	119.1	118.4	116.0

(For Current Prices see Page 9)

Ammoniac Sal—Demand from the dry battery trade has been sustained at an unusually high level throughout the past month, and production has been overtaxed. The supply situation for white granular has continued tight with shipments temporarily behind schedule. Prices for both gray and white have remained firm at the late advance.

Antimony Oxide—Shipments have covered allocations with requests granted in full in most instances for domestic use. Export inquiry was reported active and only partially covered. The market was firm at the recently advanced selling level, backed by a strong situation in the metal.

Bauxite — Market position firm with prices unchanged. Importations amounting to 3,585 tons were noted during the past week.

Bleaching Powder — Not in free supply. Demand reported steady, with prices firm at the advanced level recently established.

Calcium Hydride—This chemical is now available in commercial quantities in sizes ranging from 1½-inch lumps to a fine powder. The list price is 90c. per pound f.o.b. works, regardless of quantity.

Carbon Tetrachloride—Demand has remained active enough to keep the markets' supply position tight. Stringency in chlorine has held production down. Market position firm, with recent advances well sustained.

Chlorine—Supplies have remained short of demand throughout the past month and show no indication of nearby easement. Shipments have been retarded by the current shortage of tankcars and other containers suitable for the transportation of this chemical.

Copper—One of the leading custom smelters has advanced the price of copper 1c. per pound to 20½c., but copper mining companies have not followed this advance and continued to quote 19½c. It was stated the advance noted was prompted by the increased cost of scrap copper. Recently the cost of scrap copper had risen above the price of refined metal, with the result that it had become uprofitable to buy and refine scrap unless the price of copper was raised.

Copper Cyanide—Prices are higher for this chemical. The advanced cost of production, chiefly the higher metal market, is responsible for the increase in prices named. The market is quoted on the basis of 40½c. per pound works.

Epsom Salt—Moving against contract accounts at the advanced price noted at the beginning of the year. Market not in free supply, with limitation on the amount available for prompt shipment.

Glauber's Salt—Short supplies were noted at the end of the month with demand active. Higher prices recently quoted had no apparent influence on checking demand.

Magnesia Fluoride — Trading of moderate dimensions was reported in this material. Stocks did not appear excessive although there seemed to be enough to meet the current extent of consuming demand. Prices were without quotable change.

Magnesia Silicofluoride — Sellers have advanced prices for this chemical. Quotations were heard from 14c. to 16c. a pound, depending upon the seller and quantity f.o.b. works.

Manganese Dioxide—Producers have been able to meet demand promptly and are in a position to accept new business at former price levels. Buying interest has continued of moderate dimensions.

Methychloride — One of the major producers is quoting the industrial grade in 100, 140 and 300-pound cylinders at 16c. a pound works. Multi-unit tankcars are held at 14¾c. per pound works and single unit tankcars at 14c. per pound works. The refrigeration grade in cylinders containing 60, 70, 100, 145 and 300 pounds net, is quoted at 41c. per pound for any quantity spot or contract to retail refrigeration consumers or service men. For industrial consumers and refrigeration machinery manufacturers 33c. per pound is named for any quantity freight paid.

Nickel Chloride — Production has been kept down by the shortage of raw materials. Shipments have dropped below scheduled requirements and the market is temporarily out of balance.

Nickel Oxide—Consumers have been able to secure prompt shipments. Stocks were not excessive but sufficient to meet the current extent of consuming demand without difficulty.

Nickel Sulphate—Shipments have been kept close to schedule for this chemical and producers appear to have brought the market into a fair degree of balance. Output has been steadily increasing with the supply situation in some quarters capable of permitting the acceptance of prompt shipments to platers and other consumers.

Phosphorus—Sellers of red amorphous phosphorus list ton lots in cases at 33c. to 35c. per pound works.

For Late Market Developments, See Page 4

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Sesquisulphide cases in ton lots was quoted at 26c. per pound works. Yellow phosphorus, cases in ton lots was held at 25c. to 27c. per pound and at 22c. per pound in drums both works.

Potash Carbonate — Supply conditions appeared about as tight at the close as at the beginning of the month. Consuming demand has overtopped current production and necessitated short shipments to equalize distribution.

Potash Caustic — Both liquid and dry forms are short of demand at present and the market situation is similar to that noted in carbonate of potash. The present shortage of tankcars has caused some delay in the movement of liquid from works.

Potash Chlorate—While stocks were said to be available for prompt shipment in some directions, the supply was exceedingly short in others. In major producing quarters it was stated that demand had increased during the past month and that shipments had been below scheduled requirements. Demand from the match industry has been sustained at an unusually high level.

Potash Cyanide—Stocks are in limited supply, with sellers naming the former price of 55c. a pound. Inquiry of seasonal dimensions was reported.

Salt Cake—Stocks have been kept at a low level through persistent buying for use in paper mills and glass factories. Contract prices have been maintained at the recently advanced selling basis.

Selenium — Buying interest has shown improvement, and sales of satisfactory dimensions are reported for the manufacture of ruby glass. Prices, while firm, have revealed no appreciable change from former selling levels.

Soda Ash — Industrial consumers have continued to press for contract shipments of both light and dense soda ash. Demand has exceeded plant capacity, and an acute shortage of material for additional requirements has kept the market position definitely tight and without indication of nearby easement.

Soda Caustic — Current production has continued insufficient to meet the mounting industrial demand. Output is heavily under contract to consumers, and the urgent need for this chemical has kept inventories low and permitted very little stock for resale. There was no sign of nearbly easement to the tight buying conditions that have featured this market for many months.

Soda Chlorate—Buying interest has shifted more to industrial requirements, although a substantial amount of business for weed-killing purposes is said to be on the books. The manufacturers of dyestuffs, along with the textile mills, have been among the late buyers, and considerable business has also been placed with the metal and mining companies. Pressure for shipments has kept stocks short, and the market closed the month in a definitely tight supply condition.

Soda Cyanide — Supply limited at present, with market about steady. Small lots of this material were quoted at 14½c. to 15c., while on contracts the inside figure might be shaded a half cent a pound.

Soda Formate—Pressure for shipments has kept production moving readily through contract channels. Stocks short at present, with market firm at recent advance.

Soda Silicofluoride — Production finding a steady outlet into consuming channels. Market firm but without new price change.

Soda Sulphide — Stocks have been kept at a low level all through the past month. Active demand for home and export has prevented supplies from increasing.

Strontium Nitrate—Market position firm without revealing any appreciable price change. Carlots are held at 7¾c. to 8c. per pound and smaller quantities at 8¼c. to 9c. per pound, f.o.b. the works.

Sulphur Dioxide—Producers are accepting contracts for the industrial grade of liquid at 8½c. per pound for 150-pound cylinders, 6c. per pound for multi-unit tankcars and at 4.4c. per pound for single-unit tankcars. Prices are all f.o.b. the works.

Tin—CPA has authorized the licensing of 65,000 tons of tinplate for export. This tonnage is in addition to the 55,000 tons authorized in September, 1946, against first quarter 1947 allocations. CPA said that this authorization is the result of a drastic screening of foreign requests and is regarded as the minimum necessary to meet absolutely essential requirements abroad. The figure was arrived at with a view to reducing to a minimum the impact on this country's food pack, and was determined by CPA and the other government agencies concerned. Orders licensed under this additional quota will be placed immediately, with delivery of approximately 40,000 tons in April and the balance in May. It is expected that second quarter tonnage will be announced shortly.

Zinc Acetate—Higher prices have been established for this chemical. The lowest price heard in producing quarters was 20c. per pound. Limited stocks were available for prompt shipment from works.

Zinc Cyanide — Suppliers were higher in their views for this chemical. The lowest price heard was 34c. per pound works, an advance of 1c. per pound from the previous selling level.

Zinc Fluoride—Prices firm but unchanged. Light trading has featured the market and stocks have been sufficient to meet demand promptly.

Zinc Silicofluoride—Suppliers quote this material at prices ranging from 15c. to 16c. per pound, depending upon the quantity desired. There appeared to be enough material to meet current requirements.

Acids

Acetic—Supplies tight for prompt shipment, with demand active and in excess of current production. Glacial market firm at recent advance.

Chromic—Regular consumers appear to be getting shipments, but the shortage of material for additional requirements has kept buying conditions tight. Demand is mounting both for home and export.

Formic — Supply situation has remained tight throughout the past month with consumers pressing for shipments. Container shortage has delayed the movement from works. Market firm at late advance.

Hydrofluoric — Steady production has kept supply position favorable, the chief problem has been in securing containers to meet the requirements for domestic and foreign consumers.

Muriatic — Consuming demand has continued active enough to absorb current production readily. Contract shipments have accounted for most of the week's movement.

Naphthenic—Finding a steady outlet at former price levels. Shipments sufficient to maintain a balanced market.

Nitric—Carboy shortage has retarded movement from works. Demand active and sufficient to absorb current production readily.

Oxalic—Backlog orders are reported extensive and current production is unable to level off demand. Meanwhile, suppliers are not inclined to consider additional business for anything like prompt shipment. The market is practically bare of stocks at present.

Sulphuric—Maintenance of heavy demand is taxing production at present and supplies for prompt shipment have been limited. The tankcar shortage has made it difficult for producers to keep shipments from works up to schedule.

Dexter Chemical Corporation, New York, is marketing a dyeing assistant, "Rexon O," which is said to promote level dyeing and improve penetration of the dye bath when used in the dyeing of cotton, viscose, acetates and other fibers.

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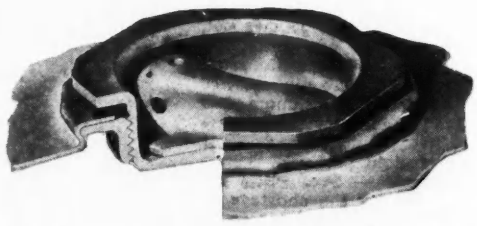

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Obituaries

Samuel Einhorn

Samuel Einhorn, president and treasurer of the Adelphi Paint & Color Works, Brooklyn, N. Y., died January 27 at Garrison, N. Y., while on vacation. He was thirty-seven years of age. Mr. Einhorn became president and treasurer of the company in May, 1946, upon the death of his father. He joined the company in 1932, the year in which he graduated from the University of Pennsylvania.

William C. Kabrich

William C. Kabrich, retired brigadier general in the Chemical Warfare Service, and manager of the Flintkote Company's Morristown, N. J., plant, died at his home in Montclair, N. J., January 27. He was fifty-one years old.

A graduate of Virginia Polytechnic Institute in 1917, where he received his commission, General Kabrich was assigned to the Chemical Warfare Service in 1939 as chief of the technical division in charge of development and research.

F.M. MacLennan

Francis William MacLennan, vice-president and consulting engineer for the Miami Copper Company, Miami, Ariz., died in Los Angeles, January 28. He was seventy years of age.

Born in Cornwall, Ontario, Canada, he was graduated from McGill University, attende Liege University, Belgium, then engaged in mining and essaying activities in British Columbia, Utah, Nevada and Arizona.

In 1907 he was appointed general superintendent of the copper and coal mines at Cerro de Pasco, Peru, and from 1919 until 1936 was manager and vice-president of the Miami company, relinquishing his managerial duties there upon his retirement that year.

Louis J. Robertson

Louis J. Robertson, president of the Bayer Brothers Leather Company, New York, from 1932 until the firm was dissolved in 1938, and a former chairman of the board of the Tanners' Council of America, died in New York, January 23. He was sixty-seven years old. Mr. Robertson, who helped found the Tanners' Council, and served as chairman in 1933 and 1934, also was chairman of the code authority for the leather industry under the National Recovery Administration.

Cary W. Kendle, founder and president of the Central Glass Company, Louisville, Ky., died in that city January 24. He was seventy-four years old. Mr. Kendle organized the company in 1917 and it now has five plants in Indiana, Kentucky and West Virginia.

Elmer S. Johnson, assistant treasurer of the West Virginia Pulp & Paper Company, New York, died in New Rochelle, N. Y., January 24. He was forty-six years old. Mr. Johnson had been with the company since 1928.

Adolph Meier, senior geologist for the State of Pennsylvania, died in Bryn Mawr, Pa., January 25. He was fifty years old.

Household Dyes

—Continued from page 5

was devoted to this problem in the rules because of the recent decision of the Supreme Court in the Elizabeth Arden case holding that the use of demonstrators can be a violation of the Robinson-Patman Act under certain conditions.

The manner in which this problem is proposed to be dealt with in the rules is as follows:—

"It is an unfair trade practice for any member of the industry to furnish so-called demonstrators, or pay, reimburse, or allow in whole or in part the compensation of demonstrators, or to pay or grant 'push money,' 'spiffs,' or any other bonus, gratuity, payment, or allowance to any dealer or distributor or to any clerk, sales person, or employee of a dealer or distributor, with the purpose or effect of inducing, encouraging, or causing such customer-dealer, or his clerk, salesperson, or employee, to give preferential sales effort to such member's products over competing industry products or to discourage the purchase of a competitor's products by the public—

"(a) Where the capacity and tendency or effect of such practices is to cause the public when making purchases of industry products to be misled or deceived into the erroneous belief that they are free from such special interest or influence or are not so subsidized, paid, or employed by such industry member;* or

"(b) Where the effect of such practice is to hamper and unduly restrict the legitimate, free, and full use and enjoyment of such trade outlets for the distribution of competing industry products; or

"(c) Where the purpose or effect of any such practices is to substantially lessen competition or unreasonably restrain trade or tend to create a monopoly in the marketing of industry products; or

"(d) Where the effect of such practices is to bring about or to serve as a means of bringing about a discrimination in price, service, facilities, or other practice contrary to the provisions of the Robinson-Patman Act.

"Nothing in this rule shall be construed as prohibiting the furnishing of actual demonstrators, namely, persons who are skilled in the demonstration of, and in educating the public in respect to, the application and use of the product and who actually perform such demonstrations, when such demonstrators are furnished and employed in such manner and under such conditions as not to involve any of the inhibited tendencies, results, or effects specified above in paragraphs marked (a), (b), (c) and (d)."

(*Where means or methods are devised or employed to prevent deceptive tendencies or effects in the use of demonstrators or the payment of push money, spiffs, etc., said means and methods must be such as will not interfere with full compliance with the Robinson-Patman Act.)

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ALUMINUM STEARATE
BARIUM CHROMATE
BARIUM STEARATE
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CHROMIC ACID
CHROMIUM OXIDE GREEN
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GELATINE, EDIBLE, GRANULAR
GLACIAL ACETIC ACID
GOLD BRONZE POWDER
LAMP BLACK
NICKEL SULPHATE
PHOSPHORUS, AMORPHOUS, RED
PINE OIL, DISTILLED
POTASSIUM NITRATE
SODIUM CHROMATE
SODIUM NITRATE
SODIUM STEARATE
STEARIC ACID
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'Sta-Dri' Waterproofing Claims Discontinued

OPD Washington Bureau

The Federal Trade Commission has announced that it has accepted from the Classic Products Corporation, Cleveland, a stipulation to cease and desist from misrepresenting the qualities of "Sta-Dri," a preparation for making products water repellant. The company agreed, FTC said, to discontinue claiming that fabrics to which the product is applied are made waterproof.

Schneider Joins Sales Staff of Pa. Salt

John H. Schneider, former major in the Air Force, has joined the sales service staff of the special chemicals division of the Pennsylvania Salt Manufacturing Company, Philadelphia.

Tariff Hearings

—Continued from page 5

chemical industry will play in the world market in the future. This was stressed by John Lerch, general counsel of the Synthetic Organic Chemical Manufacturers Association; Francis J. Curtis, vice-president of Monsanto Chemical Company, St. Louis, and P. K. Lawrence, of the organic chemical department of E. I. du Pont de Nemours & Co., Wilmington, Del.

Dr. Curtis told how he followed the invasion forces into Germany during the war to inspect damage done to the industry. He said it was surprising how little permanent damage was done. In one plant that employed 15,000 men alone, there was hardly a shattered window, he said. In another instance the invasion forces found a new German plant of tremendous size in Bavaria which wasn't known to exist until after the fighting ceased.

During the war, he stated I. G. Farben expanded chemical tonnage output over 90 percent. While this expansion was going on there was a gradual shifting of plants to the east to escape bombing raids from England. The I. G. Farben plant capacity in tons is now distributed in the occupation zones as follows:—Russian zone 42.2 percent; British zone 24.8 percent; United States zone 17.1 percent and French zone 15.9 percent.

Thus, in addition to her own expanding industry, Russia has inherited large chemical plants, which because of geographical location suffered less from England-based heavy bombers than did those in other zones, Dr. Curtis pointed out. Considering also that many other plants not in the I. G. Farben family also were relocated in the East, he estimated that the Russians today control a modern chemical industry in their zone that is approximately as large as Germany's entire prewar capacity.

Monsanto's Position

In opposing any cuts in the organic chemical field, Dr. Curtis summed up Monsanto's position as follows:—

"First, the organic chemical industry supplies necessary materials to all major industries and is vital to our entire economy. It must be thoroughly integrated, both technologically and economically, in order to operate efficiently and to the advantage of its consumers.

"Second, as a result of this integration the prices of many organic chemicals are interdependent and the entire economy of the industry is therefore highly susceptible to the introduction of lower-priced foreign chemicals which will disrupt this balanced structure.

"Third, competition from the most skilled foreign producers is actual, not theoretical. And fourth, the organic chemical industry might be able to compete with their foreign competition on a fair trading basis but cannot hope to survive the inroads created by state trading, slave labor, artificial exchange rates and other unorthodox practices."

Mr. Lerch expressed the industry's fears of the German industry because of the changing attitude, which he said appears to be taking place among the American governing authorities there. Their attitude now seems to be that German industry has got to be revived so that the people can eat, he said. At first, it was supposed that the policy would be that I. G. Farben was not to be permitted to resume operation. Now this policy is changing, he stated.

When consideration is given to the fact that the German mark is now based on ten cents, whereas before the war, it was 40 cents, Mr. Lerch said, it can be seen that a cut of 75 percent already has occurred in the effectiveness of our tariffs in keeping German goods out of the American market.

He added that Congress from the first time it gave protection to the chemical industry, considered the industry as an entity and it should be continued to be treated as such in the trade negotiations. By reducing tariffs on a single commodity, protection is lessened for the entire industry, he stated.

Coaltar Industry Protection

Mr. Lawrence spoke primarily of the coaltar products of paragraphs 27 to 28 of the tariff act of 1930 and warned against lowering duties on such items. He said that a reduction in duties on any one of the intermediates is a threat to the entire industry, because it was only when the industry was able to control production of its intermediates by reason of the tariff protection afforded in these paragraphs, that was the industry able to grow.

The committee heard arguments both for and against binding tapioca on the free list as it was done in the Netherlands agreement before the war. A. E. Staley, president of A. E. Staley Manufacturing Company, Chicago, and vice-president of Corn Industries Research Foundation, argued that the negotiators should refuse to continue the binding agreement in view of the uncertainties facing world production and exports of tapioca and sago starches.

He said that he was not afraid of competition in a true worldwide free trade but it was not possible to compete under the conditions that existed before the war and are likely again to be repeated.

Tapioca Use Increased

As a result of the war many new uses have been found for tapioca flour, he said. For the first time it is being made into syrups and sweeteners in large quantities and a large number of small plants located along the seaboard during the war which are able to convert almost any starches into these products. One of the new plants he mentioned was the $15,000,000 plant of Corn Products Refining Company at Corpus Christi, Tex.

William T. Brady, vice-president of Corn Products company, who joined Mr. Staley in urging that tapioca not be bound on the free list, said, however, that this new plant is not being built for the purpose of processing tapioca. He said that it is proposed to operate principally on 'Milo Maize,' and the plant was located in the Corpus Christi area in order to be close to this supply source.

Arthur L. Strasser, of the Tapioca Institute of America, took the opposing side of the issue and said that the question of binding tapioca flour on the free list has to be decided on whether there is or likely to be a serious threat to American industry from imports.

He argued that tapioca flour competes with corn starch in only a few processes and never has been a threat to the American industry. He noted it has been on the free list since 1880 and asked how long must a situation be temporary before it becomes permanent.

Explosives Tariff Needed

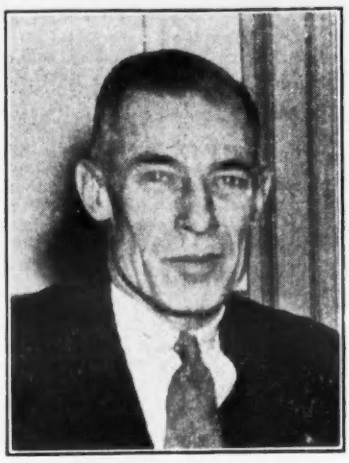
Although several appearances had been scheduled to discuss the tariffs on explosives only one witness showed up. He was P. J. Kimbal, of the Institute of Makers of Explosives, who urged that the present 10 percent tariff remain undisturbed. He emphasized the importance of the explosives manufacturing industry in peace as well as in war and described the 10 percent duty as a satisfactory rate.

Glue Situation

Thomas J. Stewart, of the National Association of Glue Manufacturers, predicted that any reductions in duties on animal glue would work a hardship on the American manufacturers, and named Argentina, Uruguay, Brazil and Chile as the principal threats to the domestic market in the postwar period. He said there was no doubt that the foreign suppliers would regain their normal share of the United States market without the necessity of making tariff concessions.

The present duty is 20 percent ad valorem, plus 2½ cents per pound. Since this duty has been in effect, the costs of American producers have doubled while those of foreign pro-

Calco Export Head



Fraser M. Moffatt, jr., has been appointed manager of the export department of the Calco Chemical Division of American Cyanamid Company, Bound Brook, N. J. From 1934 until he entered the Army, Mr. Moffatt was vice-president of the U. S. Industrial Chemicals, Inc., in charge of development of new materials.

ducers have risen only slightly. He suggested that a reduction in the tariff would also affect soap production and offal for animal feed since these are by-products of glue manufacture.

Opposition to any duty reductions in phosphatic alkalies and organic acids was voiced by James M. Gillet of Victor Chemical Works. Due to cheaper labor costs abroad, he said that it would not be possible to compete with foreign imports under a duty reduction. He said that labor costs in the oxalic acid plant in the Netherlands is only 35 cents an hour whereas wages here are in excess of $1 an hour.

He said that both the German formic acid plant and its phosphatic acid plant is in the Russian zone and nothing is known of their condition. He had heard through British sources that the phosphatic acid plant had been dismantled and shipped into Russia.

Fats, Oils Shortage

Rosco E. Edlund, Secretary of the Association of American Soap and Glycerin Producers, made a vigorous plea against negotiation of any tariff reductions on soap and glycerin. He said he was making such a request not only in the interest of the domestic producers but the foreign manufacturers as well, because of the world shortage of fats and oils. In view of this shortage, foreign producers should not be tempted to ship their fats and oils out of the country.

He stressed the importance of soap in the manufacture of synthetic rubber, declaring that 100,000,000 pounds went into this industry alone during the war.

He said the American people have not the slightest need for foreign soap, while they do have a great need for protection of the domestic industry. For decades, he added, foreign countries have protected their soap industries at tariff levels higher than those prevailing here. If the intent of the tariff reductions is to stimulate imports, Mr. Edlund stated, it will merely narrow the market for the American producers because the consumption of soap in this country will not be increased by bringing more in. If the purpose is not to stimulate imports, then why threaten the American industry? he asked.

He questioned the ability of the negotiators to discuss soap tariffs intelligently at this time in the light of the shortage of fats and oils. For the good of American soap and glycerin production, he said, the industry should be maintained in a strong position. The attack on the industry now is short sighted, ill timed and unwise, he concluded.

Rexall Denies FTC 'One-Cent Sales' Charges

Answering a Federal Trade Commission complaint, Rexall Drug Company, Los Angeles, and its wholly-owned subsidiaries, Liggett Drug Company, New York, and the Owl Drug Company, Los Angeles, deny charges of price misrepresentation in connection with "Factory - to - You Sales" and "One-Cent Sales."

The commission's complaint alleged that in connection with these sales, conducted by retail stores owned and operated by Liggett and Owl as well as by independently owned stores which are granted a so-called franchise to operate as "Rexall" stores, the respondents misrepresent the extent of price reduction by advertising as "regular prices" amounts that are "substantially higher" than the usual selling prices, thus misleading the public. This allegation is denied by the respondents.

Canadian Chemical Data

—Continued from page 7

being used as to what classification it will fall in. One classic example, he said, is in the case of coal imports for consumption in the fertilizer industry. It would be recorded in the fertilizer import classification.

Mr. Losee expressed high praise for our Facts for Industry series of the Bureau of Census, because, being on a monthly basis, it is timely and therefore helpful to industry. Presently, the Canadian bureau, he said, is gathering its statistics only on an annual basis but it hopes to move soon to a monthly reporting system.

He also said that the Canadian census aims at complete coverage of an industry rather than a sampling procedure now so widely used in this country, but he admitted that this might have to be changed because of the many small manufacturing companies making it difficult to obtain a completely accurate picture.

He said that plans are now being made for collecting figures on sulphuric acid production in Canada. These figures have not been gathered heretofore.

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Hydrogen Peroxide Allocations Reported

Allocations, in pounds, of hydrogen peroxide during the period July 1, 1944, until June 30, 1945, based on chemical allocation records of the War Production Board, were as follows:—

	Amount	Percent
Total allocations	29,440,000	100.0
Direct military*	8,535,000	29.0
Export	234,000	0.8
Other uses	20,671,000	70.2
Textile processing	10,402,000	35.3
Chemical processing	2,727,000	9.3
Drugs and cosmetics	1,155,000	3.9
Fur treatment	517,000	1.8
Bleaching	270,000	0.9
Resale and small orders†	3,829,000	13.0
Miscellaneous‡	1,771,000	6.0

* End-use data not available.
† Distributed to "Other uses."
‡ Includes quantities for foods, gelatin, lanolin, lecithin, and soap processing.

Mears Heads du Pont Nylon Plant in Tenn.

Charles E. Mears has been appointed manager of the nylon plant under construction near Chattanooga, Tenn., for E. I. du Pont de Nemours & Co., Wilmington, Del. Mr. Mears, who has been with du Pont since 1927, recently was manufacturing superintendent at the company's nylon plant at Seaford, Del.

Apex Chemical Adds To New England Staff

Apex Chemical Company, New York, has appointed to its New England territory sales staff Robert Zeuren, formerly superintendent of dyeing and finishing for the International Processing Company, Elizabeth, N. J.

Trade Briefs

Sunshine Chemical Company has been organized in Newhall, Calif., by Charles E. Farrall, H. T. Aust, jr., and B. O. Middleton.

Brown Instrument Company has added thirty-eight sales and service engineers to its branches in the United States and Canada.

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Textile and Leather Chemicals

While official prices and export quotas for quebracho extract were not received last week, the Argentine government granted export licenses for moderate shipments during January and February. Sales of solid ordinary extract were reported at close to 8 cents per pound, c.i.f. U. S. ports, in bond. Clarified was not available, it was stated, owing to the scarcity of chemicals for processing purposes. Interest in other tanning materials continued featureless, except for quebracho and wattle extracts. Chestnut extract was advanced fractionally by suppliers. Myrobalans were in poor request and shipments were easier and more or less nominal in the absence of trading.

Sizing materials were featured by a steady consuming demand for withdrawals against former contracts. Surplus quantities of starch and dextrin were limited, which affected an active request for export. Potato starch was reported sold up for the next two months. Corn derivatives also were sold ahead. Inquiry for tapioca flour was inactive for shipment from Brazil as the old crop has been practically cleaned up. Offers of new crop Brazilian high grade tapioca flour for April-June shipment attracted little buying interest from importers and consumers who considered asking prices too high. Production of sweet potato starch was estimated about 1,500 tons for this season, and much below expectations. The reason given for the small output was the poor crop in Florida and low starch content of the potatoes.

Chemicals

Bichromates—This market remains in a firm position, with supplies tight and production in active request for delivery on current contracts. Prices were unchanged and well held. Export business was restricted, owing to light available supplies for resale.

Soda, Acetate—Steady demand on prior orders prevented producers from building up appreciable inventories. Quotations were well maintained at former levels.

Soda, Hydrosulphite — Withdrawals against contracts continued at a good pace. Market remains steady at prevailing quotations.

Sulphonated Oils — Scarcity and high costs of castor neatsfoot and olive oils, and tallow continued to affect the volume of business of these sulphonated grades, and have increased the use of substitutes.

Dyestuffs

Annatto—Demand was restricted for small lots for spot delivery. Prices were unchanged.

Cochineal—Small stocks on the spot were closely held at former levels. Primary markets were strong and offers for shipment were few and well held.

Sizing Materials

Albumen, Blood—Production was reported improved and moving against former orders. Producers are reducing the heavy backlog of orders. Prices were steady. Light blood was quoted at 70c. per pound, drums, less carlots, New York delivery and soluble blood at 17c., same basis.

Albumen, Egg—Demand continued centered in the technical grade which was in limited supply and firm at prices ranging from $1.10 to $1.30 per pound, according to quality. Trading in edible grades was light and mainly for immediate requirements, with quotations unchanged and about steady.

Dextrin, Corn—Steady call continued to take the output against current contracts. Consuming inquiry was active for nearby requirements. Quotations were steady.

Egg Yolk—Consuming inquiry was fairly active. Trading was light and spasmodic, owing to the limited supplies. Prices ranged from $1.15 to $1.25 per pound, depending upon quantity.

Starch, Corn—This market remains steady under active request for material against current orders. Producers

Market Trends

Prices Advanced

Chestnut ext., liquid, ½c. per lb.
powder, 1⅝c. per lb.

Prices Reduced

Myrobalans, J1, $1 per ton.
J2, $2 per ton.

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
293.5	292.8	288.6	299.4

(For Current Prices see Page 9)

were reported sold up and resale offerings were limited. Prices were well held at former levels. Visible corn supply increased 1,562,000 bushels to 26,256,000 bushels for the week ended January 25 against 11,955,000 bushels, a year ago, it was reported by the Chicago Board of Trade.

Starch, Potato — With production sold well ahead, offerings for March-April delivery were limited. Grinders are working at capacity. Potatoes are plentiful and producers have been guaranteed adequate supplies for the balance of the season. Grinders in Idaho are operating under a government diversion program. Prices remain unchanged and steady. Purchases of 270 tons of pearl potato starch were reported at 6.85c. per pound, in burlap bags, f.o.b. Maine by the Department of Agriculture, January 8 and 9. The government cleared the market of surplus stocks. Low grade and deteriorating potatoes were ordered dumped under the support program. It was estimated that 20,000,000 bushels would be dumped and that 25,000,000 bushels more might go into non-commercial uses. Imports of 950 bags of potato starch were reported at New York last week from Rotterdam, while a heavy tonnage was scheduled to be shipped for UNRRA and private account from the United States to European points.

Tapioca Flour—Offers of new crop Brazilian high grade flour were reported on the basis of 9½c. to 10c. per pound, f.o.b. Brazil for April-June shipment. Domestic consumers and importers were not interested and considered this level too high. Stocks in store here are reported sizable and adequate to meet requirements during the new few months. Prices range from 7¾c. to 13c. per pound, as to quality for spot delivery. Arrivals from Brazil totaled 1,160 bags at New York from Brazil last week.

Tanning Materials

Chestnut Extract—Market remains strong at recently higher prices for all grades. Extract, 25 percent tannin, was quoted at 3¾c. per pound, tankcars, 4.35c. per pound, barrels, carlots, and 4.60c. per pound, barrels, less carlots. Powdered was held at 10.40c. per pound, bags, returnable, carlots, and 11.15c. per pound, less carlots.

Divi Divi—Offers for shipments from primary centers were reported limited and the market was firm at prevailing levels. Interest in replacements was moderate, with business quiet.

Mangrove Bark—This market was quiet. Offerings for shipment were light and more or less nominal at $58 to $61 per ton, exdock.

Quebracho Extract—Export licenses were reported granted for limited quantities of extract for January-February. Sales of ordinary solid were confirmed at 7 15/16c. per pound. c.i.f. U. S. ports, plus duty. Clarified was not offered for shipment, because of the scarcity of chemicals. Arrivals of 10,000 bags were noted at New York last week and delivered on prior contracts.

Tara Powder—Inquiry for shipment was active. Offers from producing centres were scarce. Powder was quoted nominally at above $200 per long ton. Arrivals of 220 bags of pods were reported at New York last week and consigned to consumers on previous orders.

Wattle Bark—In the absence of offerings for shipment, primary markets were reported firm and nominal. Applications to increase the price $3 per ton have been requested by producers and are expected to be granted. Tanners continued to show an active inwere reported at 550 bales of bark quiry for nearby replacements.

For Late Market Developments, See Page 4

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Coaltar Chemicals

Production of steel continued to climb last week. The scheduled rate was 92.9 percent of ingot capacity, the highest operating rate since the week of May 21, 1945. Producers of coaltar chemicals assert that while output has increased, consuming demand has also expanded thereby preventing any substantial improvement in buying conditions. Benzol shipments have occasionally dropped behind schedule during the past month while stocks could not be termed free at any time, but just about sufficient to level off requirements. No improvement could be noted in the market situation of crude coaltar although there appeared to be signs of slightly more competition developing. Creosote oil remained distinctly firm with higher prices named for tanks at some supply points. Cresylic acid continued short with demand exceeding supply by a considerable margin. Crude naphthalene was just as tight at the close as at the beginning of the month with no sign of relaxation in demand from the major consuming industry. Tight conditions in phenol have little chance of loosening up as long as production is heavily under contract. There was about enough toluol to meet requirements with no overflow in this area. Xylol was taken quite freely by the lacquer industry but retained a satisfactory degree of market balance all month.

Benzidin base was higher in the intermediate market and so was R-salt. In some supply quarters a general advance of 10 percent for intermediates was reported to offset the current higher costs of manufacture. An active inquiry was reported for miscellaneous intermediates and dyestuffs. Hydrogenated solvents were firm but without price change.

Steel operations for the week beginning January 27 were scheduled at 92.9 percent of ingot capacity, compared with 91.8 percent in the preceding week, according to the American Iron and Steel Institute. A month ago, the indicated rate was 87.7 percent. The present schedule is equivalent to the production of 1,637,300 net tons of steel ingots and castings, compared with 1,617,900 tons for the preceding week and 104,400 tons for the corresponding week in 1946.

Market Trends

Prices Advanced

Benzidin base, 7c. per lb.
R-Salt, 7c. per lb.

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
131.7	131.7	131.7	127.3

(For Current Prices see Page 9)

Basic Products

Benzol—Buying interest remained active during the past week with shipments of industrial pure and nitration constituting the major part of the movement. While requirements were covered on a fairly prompt basis, the market was not in free supply and, on occasions, deliveries were delayed. Demand appeared to be increasing in about the same proportions as output, and prospects did not favor any nearby easement in the extent of available supplies.

Coaltar—Supply position of crude continued tight with current consuming demand keeping ahead of production. Shipments were confined chiefly to contract accounts which were said to be somewhat behind scheduled requirements.

Creosote Oil—No improvement could be noted in buying conditions in the local area. Production is heavily under contract with consumers pressing for shipments. Demand for wood preservation has been maintained at an unusually high level.

Cresylic Acid—Maintenance of a heavy miscellaneous consuming demand has exceeded production and prevented any appreciable easement in buying conditions. The call for shipments for synthetic resins and tricresylphosphate has continued heavy. Importations during the past week amounted to 1,044 drums, 135 of which were from Sydney, Australia.

Naphthalene — Pressure for shipments has kept crude material moving as rapidly as produced. The major demand has continued to come from the manufacturers of phthalic anhydryde who appear to be unable to secure enough stock to meet requirements. There has also been a heavy demand for the refined grades and the overall supply situation is exceedingly tight at the present time.

Phenol—Market position definitely tight with production heavily sold against contract accounts. Maintenance of heavy consumption has placed a limit on resales and the market is described as firm and practically bare of stocks for nearby shipment.

Pyridin—Supply short for most grades of this material with the pharmaceutical varieties definitely scarce. Some denaturing stock continued available for prompt shipment, with buyers said to be showing relatively little interest in this grade at present.

Toluol—Not in very free supply but meeting requirements on a fairly prompt basis in most instances. The steady absorption of current output prevented stock accumulations and the general market had a tighter appearance at the close than at the beginning of the month.

Xylol—Shipments have been delayed at some points and the supply condition has remained comparatively tight without throwing the market much out of balance. General demand was reported steady.

Chicago.—Call for coaltar bases has held up well in both volume and intensity. Benzol has given a good account of itself. Ruling prices exclusive of tax were:—Benzol, pure, in tankcars, freight allowed up to 2c. per gallon, 17c. per gallon; 10-degree xylol, same basis, 29c.; industrial xylol, same basis, 22c.; 2-degree xylol, same basis, 22c.; solvent naphtha, same basis, 22c.; creosote oil, grade 1, 15½c.

Hydrogenated Solvents

Stocks were not free in this group of solvents. Buying conditions have tightened during the past month under a gradual improvement in consuming demand and a cutback production resulting from the stringency chiefly in phenol. The shortage of phenol had a direct influence on the output of cyclohexanol and this was passed on to cyclohexanone. Benzol supplies were short during the past month and, while production of cyclohexane appeared sufficient to meet essential requirements, the market was not in free supply.

Coaltar Acids

Cleve's—Stocks short with shipments confined chiefly to regular contract consumers. Prices unchanged and firm for both grades.

Fumaric—Market position strong but without price change. Demand from the synthetic resin industry sustained at an unusually high level. Buying conditions definitely tight.

Gamma—Prices firmly maintained at recent advance. Stocks short but meeting essential requirements of regular dyestuff consumers.

Maleic—No improvement could be noted in buying conditions during the past month. There is a steady movement in progress for use in protective coatings and synthetic resins which is overtaxing production at the present time.

Neville and Winther's—Firm and

Coke By-Products

Estimates of by-product coke-oven operations in the week ended January 24 indicate the following output of by-products from that source:—

Ammonia liquor NH_3	lbs.	1,000,125
Ammonia sulphate	lbs.	28,228,500
Benzol	gals.	3,557,250
Coaltar	gals.	13,196,250
Creosote oil	gals.	734,400
Naphthalene, crude	lbs.	1,744,200
Phenol	lbs.	206,550
Toluol	gals.	711,450
Xylol	gals.	160,650

For Late Market Developments, See Page 4

Toluol

nitration grade * industrial grade

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short with suppliers naming 73c. a pound as the lowest selling basis.

Picric—Technical grade was quoted at 30c. per pound, carlot shipments in barrels from works. Smaller quantities were quoted at 31c. per pound and upward depending upon size of order.

Other Intermediates

Alphanaphthol — Production held down by stringency in basic material. Stocks short and market firm with 58c. per pound the lowest price heard and sellers asking up to 64c. per pound works.

Alphanaphthylamine—Market firm with stocks limited. Production hampered by scarcity of basic material.

Anilin—Demand and output have both increased during the month. Stocks not free but meeting a heavy inquiry for domestic use on a fairly prompt basis.

Benzidin Base—Market position is firmer with 77c. per pound works, the lowest selling figure named at supply sources.

Catechol—prices for C. P. crystals and resublimed are now being quoted at the works with no freight allowance. Consuming demand has continued quite heavy with stocks sufficient to meet requirements promptly. The market for C. P. crystals is quoted on the basis of $2.00 per pound and resublimed at $3.25 per pound.

Diethylanilin—Market position firm with some suppliers asking higher prices. The range is from 48c. to 53c. per pound works.

Dinitrochlorobenzene—Demand reported somewhat ahead of supply at present. Prices firm but unchanged at 13¼c. per pound for tankcars, 13½c. for drums in carlots and 14c. per pound for smaller quantities works. The purified grade is held at 17¼c. per pound in drums works.

Dinitrophenol — Tight conditions prevailing in phenol have kept stocks of this intermediate down. The market is in short supply and firm at former selling levels.

Diphenylamine — Steady on the basis of 25c. per pound works with a range upward to 28c. per pound. Cutback production has kept stocks short.

Phthalic Anhydride—Consuming demand has leaned toward expansion throughout the past month and suppliers have been confronted with more inquiry than can be handled readily. While production is reported heavy, capacity is regulated by the amount of crude naphthalene made available. This anhydride is essential to the manufacture of enamel type finishes and its use is stadily growing. Buying conditions are tight with stocks short for nearby shipment.

R-Salt—Prices were reported higher for this intermediate and 72c. per pound appeared to be the lowest selling figure heard at the close of the month.

Resorcinol—Supplies are meeting fairly heavy requirements on a prompt basis. Prices are now listed f.o.b works eliminating freight allowance. By error, the price of U.S.P. crystals was reported at $2.00 per pound, this should read $1.70 per pound. The technical grade is unchanged at 68c. per pound.

Tolidin Base—Market position tight with production finding a steady outlet to regular consumers. Suppliers name $1.00 per pound as the lowest selling basis at present.

Coaltar Colors

Production has shown improvement during January while domestic demand has also increased. Stocks in most instances were short and buying conditions were described as tight. Export inquiry has continued to broaden with the current market position not favorable for the consideration of much foreign trade. Advices from the Hague state that Holland is going to import dyestuffs from Germany under contracts negotiated between the United States, British and Dutch economic delegations. It was asserted that the revival of trade between the Netherlands and Germany was essential to both countries and of fundamental importance to the general recovery of Europe.

Florasynth Laboratories, Inc., manufacturer of essential oils and aromatic chemicals, recently presented a second bonus to employees.

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ACS Maryland Section Officers Elected

Dr. Giles B. Cooke, research executive for the Crown Cork & Seal Company, Baltimore, has been reelected chairman of the Maryland Section of the American Chemical Society. Other officers for 1947 are:—Dr. John A. Herculson, head of the department of chemistry of Morgan State College, vice-chairman, and Dr. Paul K. Leatherman, chief chemist of the Maryland Racing Commission, secretary-treasurer.

Royalty Oil Bids Asked by Government

Secretary of the Interior J. A. Krug has called for bids for the sale of Government royalty oil in certain Wyoming fields in accordance with the act of July 13, 1946, which gives owners of small refineries with insufficient supplies of crude oil a preferred option to buy such royalty oil to maintain the successful operation of their refineries.

The sale by competitive bidding will cover about 1,900 barrels of non-unitized light royalty oil a month and about 8,300 barrels of unitized Ten-sleep black royalty oil a month in the Salt Creek field; about 8,800 barrels of royalty oil a month in the Lance Creek field not now being sold by the United States under contract; and about 2,600 barrels of royalty oil a month in the East Lance Creek field. Bids, in duplicate, will be received in the office of the Director, Geological Survey, U. S. Department of the Interior, Washington 25, D. C., on February 11.

Radioactive Phosphorus

—Continued from page 5

fertilizer phosphates, which are then used in plant nutrition studies.

"With sensitive electrical instruments like the Geiger counter," he said, "the course of the radioactive phosphorous can be traced from the soil through the roots, stem, leaves and seeds of plants. The material has no bad characteristic which will harm plants or animals as is the case with some other radioactive elements."

The North Carolina station, located at Raleigh, has arranged for cooperation on the project with the New York Agricultural Experiment station at Ithaca, and the bureau of plant industry of the agricultural research administration of the Department of Agriculture at Beltsville, Md.

CPA Liquidation Set for Dec. 31

OPD Washington Bureau

Formal notice of the liquidation of the Civilian Production Administration by December 31 has been issued by Philip B. Fleming, Administrator of the Office of Temporary Controls. After that date all residual functions, such as those relating to accounts, personnel, history and records, shall be assumed by OTC.

Frozen Food Products Elects Vice-President

William Burston has been elected vice-president of Frozen Food Products Inc., to be in charge of its food division. Mr. Burston at present is president of Frozen Food Foundation Inc., and also is divisional merchandise manager for Allied Purchasing Corporation.

Carbide & Carbon Plans New Vinyl Ether Series

Carbide & Carbon Chemicals Corporation, New York, has announced that the first of a proposed series of new vinyl ethers will be produced in the near future at its South Charleston, W. Va., plant. They are vinyl-ethyl ether, which will be available in commercial quantities; vinyl-isopropyl ether, available in pilot plant quantities; and vinylethylhexyl ether, available in experimental quantities. Their production is expected to start early in 1947.

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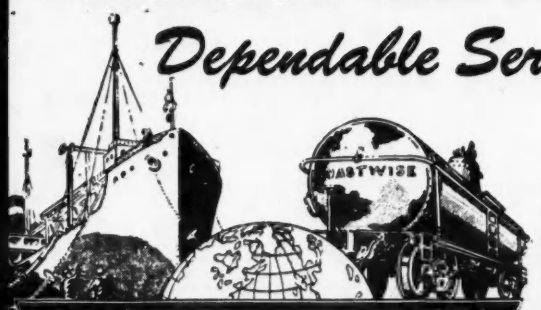

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Agricultural Chemicals

Agricultural chemicals essential to the fertilizer trade have commanded the most attention during the past week. Business could not be described as active as the shortage of stocks has placed a limit on the amount of additional business that can be placed. Ammonia sulphate, potash, nitrate of soda, nitrate solutions and superphosphate are heavily under contract and show no indication of easement prior to the planting season. The urgency of demand for shipment of these chemicals for actual use has curbed resales and left the markets in definitely short supply. Buying interest in the organics has relaxed. Feeders who were aggressive buyers during the greater part of 1946 succeeded in lifting these markets above the fertilizer price level, but are now leaving the situation to its own devices. Insecticide chemicals have been featured by the persistent buying of copper sulphate that started unusually early and is still going strong. Farmers have increased their inventories while the copper sulphate stockpile has remained at a relatively low level.

Rescinding the order for the return of leased tankcars by the fertilizer industry to the army has clarified a problem to some extent that might have proved serious for distribution of fertilizer over the Spring season. Transportation facilities are inadequate at present but could have become definitely critical if the order had not been modified.

Imports of fertilizers and fertilizer materials during October, 1946, amounted to 95,000 short tons with a value of $2,927,000 according to the National Fertilizer Association. This is an increase of 2 percent in tonnage and 11 percent in value over imports in October, 1945. Imports in each classification in October were somewhat similar to those in October, 1945. Total imports for January-October, 1946, were 1,185,000 short tons valued at $33,067,000, a decrease of 21 percent by weight and 14 percent by value compared with the same period in 1945.

Nitrogenates

Ammonia Sulphate — Market position firmly backed by a mounting demand that has exceeded production. Shipments have increased during the past month but the movement has not been sufficient to level off requirements.

Bone Meal—Prices were maintained at the lower levels recently reported. Buying interest could not be termed aggressive while the limited extent of offerings prevented any lowering of sellers' views.

Castor Pomace — Production has continued to move against contract accounts and no additional offerings have reached the market. Heavy importations of castor beans during the past month have led to expectations that castor pomace supplies may improve later in the year.

Dried Blood—Quiet trading was reported without revealing any appreciable price change. The market did not look very firm with offerings at the close of the week at $8.50 per unit ton.

Hoof Meal — Absence of important demand left the market inactive. The price was listed at $8.50 per unit ton.

Soda Nitrate — Shortage of stocks has kept the market in a tight condition. It is expected that arrivals of Chilean nitrate later this month will permit a better distribution although there is little indication of supplies becoming free prior to the planting season.

Tankage—Some trading was reported at previous levels. Feeders appear to have adopted a more conservative buying policy and show a preference for soymeal and meat scrap at prices prevailing.

Phosphates

Phosphate Rock — Boxcar shortages have retarded the movement of rock from producing points and the market has continued to maintain a tight condition. Acidulators are pressing for deliveries and are in need of all the material that can be made available. While Florida mines have supplied most of the export rock, it is stated that in October 20,943 tons of Tennessee, Idaho and Montana rock were shipped to foreign consumers.

Superphosphate — Advanced prices in Baltimore have created a strong background for the local market although no change from the 76c. a unit ton basis for normal has been announced to date. Buying conditions in this area are tight with demand keeping ahead of the supply and short transportation facilities having a tendency to delay the movement from works.

Potashes

Demand from fertilizer mixers has remained active and in excess of current production. Allocated requirements are being met although the boxcar shortage has caused some delay in shipments from supply sources. The trend is toward the use of higher analysis fertilizer, particularly from areas that have previously used relatively small quantities. The market position for potash is firm and tight with no apparent easement in sight for the near future.

Markets at Other Centers

Baltimore.—All of the strength appears to have gone out of the market for fish scrap, with no one seemingly calling for this product at the present time, and with an apparent failure to interest sellers. As far as appearances go, the bottom has dropped out of business, and the feeding of poultry and live stock seems to be abandoned for some undetermined reason. Trading in scrap is to all appearances at a standstill, and the market has undergone a complete reversal of form.

Chicago. — Orders for various grades of fertilizer materials were in fairly good volume, with prices staying near earlier levels. However, it was reported some concessions on material are being allowed here and there. Blood was firm, tankage quiet, and bone materials just about held their own. Dried Blood—principal grade, was held at $8 to $8.50 per unit of ammonia. Tankage—feeding grade, per unit, $7.50 to $8; liquid stick, tankcar, $3.50 to $4; hoof meal, per unit, $9 to $10.

Insecticides

No additional price changes were registered during the past week. Buying interest is increasing with demand considerably more active at the close than at the beginning of the month. Current production is regulated by the amount of raw materials available while distribution is dependent on the ability to secure suitable containers and transportation facilities. A feature of the market has been the persistent buying of copper sulphate. Demand started in the last quarter of 1946 and has been of sufficient dimensions to insure capacity at producing plants. While this condition has kept down the usual stockpile, it has increased farmers' inventories. The arsenic market has remained tight and firm on the basis of 6c. per pound. The insecticide chemicals based with copper, lead and zinc have continued exceedingly firm at the recently advanced levels. In the coaltar classification, cresylic acid, creosote oil and phenol have been kept definitely tight by a demand that has overtopped output by a considerable margin.

Sulphur and Pyrites

Bureau of Mines stated that November production of sulphur continued very high, surpassing October output by 7 percent. Apparent sales in November amounted to 464,344 long tons. These were about double those of October which were adversely affected by the shipping strike. Mine shipments in November mounted to 504,257 tons, compared with 257,137 tons in the preceding month. Pyrites maintained a firm position with production well sold against contract accounts.

Market Trends

Prices Advanced

None

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
72.3	72.3	72.3	71.8

(For Current Prices see Page 9)

Fertilizer Supplies

—Continued from page 3

time losses and at the same time increase the world food production.

Allocations therefore amount to only about 74 percent of screened requirements and this figure will have to be reduced further because of loss of production in Canada, United States and Belgium due to problems of coal supply and a loss of approximately 20,000 tons (N) in Chile because of strikes at loading ports.

The secretary said that production of phosphate rock is above both last year and prewar, except in the Pacific area. Because production is improving, any new supplies above the 13,981,900-ton goal for the 1946-47 will not be subject to allocation.

Soluble phosphate will continue under allocation, however. In terms of phosphoric acid the world deficit of this material amounts to 114,000 metric tons.

World production of potash for 1946-47 was estimated at 2,856,000 metric tons, an increase of 121,000 tons over the average for the years 1936-39.

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For Late Market Developments, See Page 4

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Drugs and Fine Chemicals

Price activity lessened last week in the market for drugs and fine chemicals. Castor beans were sharply higher and quoted prices seemed to be nominal; some agents of shippers have been unable to secure any offerings for at least a month. Oil prices were strengthened and a further rise would surprise no one. Magnesia carbonate prices were revised to care for increase in wooden container costs and quotations on calcined material were no longer identical on technical and USP goods. Separate quotations were established but the minimum of prices obtained last week was down slightly. Allocation of domestic blackstrap and beet final molasses was ended along with price controls. Higher prices were forecast. Allocation of imported blackstrap will continue through February 15 or until five tanker loads already scheduled for delivery during that month have been sold—whichever happens first. The senate sent legislation to the White House which, on signature by the President, will permit alcohol plants to continue sugar production also for a period ending April 30, 1948. Finally the present excise taxes were frozen at current levels in legislation passed by the house and sent to the senate. If the senate concurs and the President signs the bill, taxes on alcohol will remain at $9 per proof gallon.

Such were the main market developments during the past week. Meanwhile, shortages in many items continued to harass merchants and manufacturers of all kinds. Container shortages were quite as acute as ever and the costs of the packages were on the upward trend. Foreign quicksilver posed a real problem for domestic makers who view, not without concern, the fact that government-held metal in Germany and Japan hangs heavy over the market because of its potentialities. If brought here, it is hoped the government will stockpile the article against future needs.

Menthol production started in Brazil and a drop in production was forecast. Reappearance of China and Japan as sources of supply vie with comparatively low prices to work in that direction. However, menthol prices are still far above normal levels. Codliver oil was short but production has started in North Atlantic waters and there is a bare possibility of an improvement in supplies.

Acid, Boric—Announcement of the revised price schedule and the establishment of one that took into account the present freight rates and transportation taxes, plus the much higher prices now being paid for barrels, has set this article on a clearly defined price basis. Although some differences in methods of pricing the article may exist according to producer, the opinion was advanced last week that basically the schedules are comparative and not much out from parity one with the other.

Acid, Citric—Price controls have been removed from beet final molasses. Also from domestic and imported blackstrap molasses. Also, allocation controls over beet final molasses have been lifted. Since beet molasses has been the raw material used for production of fermentation citric acid, this revocation of price and allocation controls on that raw material will return citric acid to a completely free economy.

Acid, Tartaric—Demand was good. Supplies of domestic material were said to be meeting the current volume of request in very fair fashion. The spot stock of imported acid was not exceptional for size but prices for that material often shaded substantially those named by the domestic manufacturers.

Alcohol—The present internal revenue tax of $9 per proof gallon may remain in force indefinitely. The house passed legislation freezing the war-time excise taxes and, on concurrence by the senate, the war-time taxes will be extended. The alcohol tax had been due to drop to $6 on July 1.

Officially the Office of Price Administration has authorized producers of fermentation ethyl alcohol, East of the Rockies, to bill their customers an additional three cents a gallon above ceiling prices in effect on June 20, 1946, on sales made between that date and November '20, when all ceilings were removed by presidential order. The action was taken in amendment 16 to MPR 28, announced by the agency January 28. Similarly, resellers of fermentation ethyl alcohol who have been selling the commodity on open billing during the same period are permitted to recover their increased cost of the same percentage margin over costs enjoyed on same on March 31, 1946.

Of importance to alcohol producers was the revocation of price controls on domestic and imported blackstrap molasses. Allocation controls were lifted on the domestic blackstrap but it was retained on imported material through February 28 or until five tankers already scheduled for delivery during that month have been sold. Allocation control was retained to give alcohol and cattle feed manufacturers time to prepare for new purchasing.

The Reconstruction Finance Corporation will continue to buy all exportable molasses produced in Cuba under terms of the contract negotiated with the Cuban government by that of the United States. RFC will resell the molasses to United States bidders in tanker lots after March 1. Terms upon which RFC will receive bids are expected to be ready for announcement by February 15.

Finally, the senate passed and sent to the President legislation permitting alcohol plants to continue sugar production also for a period ending April 30, 1948. The bill extends by 15 months an exemption to the law which prohibited alcohol plants from producing any other commodity.

Aloe—One house in this market received an offering of what was said to be socotrine aloe at a kilo price that would work out around $2.50 per pound. It was thought that something was definitely wrong with the article or its pricing and description.

Borax—With prices now clearly defined as prevailing either at the mines in carlots or less than carlots when sold warehouses in both New York and Chicago the market proceeded in quiet fashion to place requirements of consumers operating under contracts, and the market ruled firmly as quoted.

Castor Oil—The market remained strong as concerned both oil and beans. Beans were up sharply to $275 per long ton, nominal. Demand exceeded supply by a wide margin and relief from shortage seemed not to be in sight now. Oil prices had a strong undertone, and there was little opportunity for competition to modify the overall situation.

Arrivals of beans last week totaled 33,559 bags, or 5,033,850 pounds, compared with 74,673 bags, or 11,200,450 pounds, arrived during the previous week. Total arrivals since January 1 reached 240,543 bags, or 36,081,450 pounds, which compares with a total of 122,885 bags, or 18,432,750 pounds arrived during the corresponding period in 1946. Also, 875 drums of oil arrived from Rio de Janeiro.

Chicago, Jan. 29.—Ruling prices are:—Cold pressed, U.S.P., 30c. per pound, drums, less than carlots; No. 3, extracted, 29¾c.

Glycerin—New developments were lacking but the market continued strong in all of its aspects. Demand and supply were apart so widely that it seems unlikely that the two will soon draw together. Imports from foreign parts continued to reach these shores. Last week, 1,156 drums reached here from Bombay, India, and 34 drums from Kingston, Jamaica. Some

For Late Market Developments, See Page 4

Market Trends

Prices Advanced

Castor beans, $30 per long ton.
Magnesia carbonate, tech., bbls., 1¼c. per lb.
U.S.P., bags, 1c. per lb.
barrels, 1c. per lb.
kegs, 1¼c. per lb.

Prices Reduced

Magnesia, calcined, tech., 2c. per lb.
U.S.P., 2c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
247.7	247.7	248.3	205.9

(For Current Prices see Page 9)

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of the recent arrivals have been for the account of large chemical manufacturers who have been forced abroad for supplies because of the inability of domestic refiners to provide sufficient production.

Chicago, Jan. 29.—Ruling prices on glycerin are, for both chemically pure and high gravity, 55c. per pound, tank-car; 55¼c., drums, carlots, 55¾c., drums, less than carlots.

Magnesia—Calcined material of technical quality was available at 29c. per pound for the light grade. On U.S.P. goods, the price range was 31c. to 33c. per pound. These prices differed slightly from those recently quoted in that separate quotations were provided for the technical and U.S.P. grades, both of which had been identically quoted in the past. Carbonate prices have been revised upward to some extent. Technical, in bags, carlots, was 7¼c. per pound; less than carlots, 8¼c.; barrels, carlots, 8½c.; less than carlots, 9½c.; kegs, carlots, 9¾c.; less than carlots, 10¾c., U.S.P., bags, carlots, 9c.; less than carlots, 10c.; barrels, carlots, 9½c.; less than carlots, 10½c.; kegs, carlots, 10¾c.; less than carlots, 11¾c. Prices are at the works. Freight will be allowed on deliveries to New Jersey except on deliveries to Atlantic, Burlington, Cape May, Cumberland, Gloucestershire, Ocean, and Salem counties. Freight will be allowed to Philadelphia county, Pa. Freight will be equalized to New York City on all other deliveries.

Menthol—The 1947 production of Brazilian menthol is now underway and the forecast has been for a considerable drop in the total produced. The world situation—reappearance of China and Japan as suppliers, for example—have worked against maintenance of high production in Brazil and the decline in prices obtainable was also an influence.

Molasses—Price controls over domestic and imported blackstrap and beet final molasses have been revoked. Allocation restrictions on blackstrap and beet final molasses produced in this country were also lifted. Allocation of imported blackstrap molasses will remain through February 28 or until five tanker loads already scheduled for delivery during that month have been sold—whichever takes place first. Higher prices are forecast.

Quicksilver—Foreign metal is a potent influence on this market at present. Government quicksilver held in Germany and metal also held in Japan some think constitute a threat to continued domestic production in good volume unless such government held metal shall be brought here and put into a strategic stockpile against the next war. Pardon! there is not supposed to be another war but a nice government stockpile would be comforting just in case. Wars are not fought without quicksilver. From the standpoint of domestic mines operation and economy, continued mining of domestic metal probably is a "must" with the miners but looked at from the long term point of view observed from the badly unsettled political relations of the nations, it might be best for domestic metal to remain in the ground.

San Francisco, Jan. 29.—The quicksilver market here this week was steady. Inquiry was good, prices steady. Little spot metal was available. Producers were quoting metal between $87 and $90 per flask, f.o.b. San Francisco.

Silver—Prices for bullion remained at 70¾c. per ounce to a late hour in the week. Any change before going to press will be found on page 4. Silver nitrate prices were also unchanged; producers are still working from silver bought on a much higher market.

Sugar.—Maximum increases of 18½c. per 100 pounds on raw cane sugar and direct consumption raw sugar, and of 20c. a hundred pounds for other direct consumption sugars have been authorized. The rise was tied to rises in retail food prices in this country—a tie-in provided for in the sugar buying agreement between this government and that of Cuba covering the 1946 and 1947 crops of Cuban raw sugar. It was also said last week that the expected higher prices on molasses, now that blackstrap and beet final molasses have been removed from price control, may result in a decrease in the total amount of sugar from the cane crop the grinding of which has begun.

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Chemical Workers Weekly Earnings Up

Weekly earnings of factory workers in chemical and related fields showed a light increase in November as compared with October. A breakdown of the weekly earnings for the chemical and allied industries follows:—

Average Earnings

	Weekly		
	Nov., 1946	Oct., 1946	Sept., 1946
Chemical and allied products	$45.88	$45.49	$45.41
Ammunition	46.98	45.80	44.65
Chemicals	52.96	52.87	52.61
Cottonseed oil	35.14	33.30	31.93
Drugs, medicines, insecticides	41.06	39.91	39.05
Explosives, safety fuses	49.49	50.26	50.98
Fertilizers	33.02	33.87	35.62
Paints and varnishes	48.16	47.07	46.52
Petroleum refining	57.11	57.32	58.35
Rayon, allied products	43.31	42.98	43.55
Soaps	48.20	47.85	47.30

DDT Analogs Studied

An exhaustive study of the insecticidal powers of forty-one analogs of DDT (dichlorodiphenyltrichloroethane) has been recently reported by J. R. Busvine in the *Journal of the Society of Chemical Industry*. Some of these analogs are currently marketed in the United States under various trade names.

While some of the compounds showed insecticidal powers of the same type as DDT, the most toxic compounds were those whose molecules most resembled DDT. Any modification of the paradichlorodiphenyltrichloroethane structure tends to decrease insect toxicity. For example, a decrease in insecticidal power results when any of the following changes in the molecule are made: Elimination of the chlorine atoms from the benzene rings, shifting one chlorine atom from the para to the ortho position, substitution of other halogen atoms for the para positioned chlorine atoms, from the ethane nucleus, dehydrogenation of the ethane nucleus, or by making hydroxy, alkoxy, or tetra-substituted compounds.

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Carbide & Carbon Issues Nitrogen Compounds Booklet

The Carbide & Carbon Chemicals Corporation, a unit of the Union Carbide & Carbon Corporation, New York, has prepared a booklet, "Organic Nitrogen Compounds," which may be obtained from the company by requesting Form 4770. The booklet presents in detail the properties, specifications, and uses of the alkyl amines, alkylene amines, alkanolamines and acetoacetarylamides.

Torigian Labs Warehouse Unit Nears Completion

Torigian Laboratories, Inc., manufacturer of chemotherapeutic agents for parenteral administration, recently moved into its new research and ampul manufacturing laboratories, announces that its second unit under construction is near completion. The new unit will be used for warehousing and storage.

Trade Briefs

Heyden Chemical Company, New York, has appointed Paul Klemtner & Co., Newark, N. J., as advertising agency.

Walding, Kinnan & Marvin Company, drug wholesaler, Toledo, Ohio, is celebrating its seventieth anniversary.

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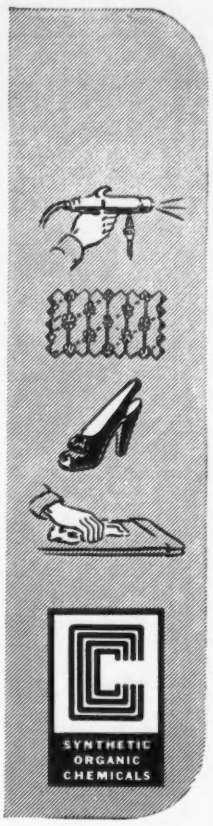

U.S. Health Service Sets Pharmacist Exams

Competitive examinations for appointment as pharmacist officers in the U. S. Public Health Service will be held March 17 through April 16. Application forms and additional information may be obtained by writing the Surgeon General, U. S. Public Health Service, Washington 25, D. C. Grades are junior assistant pharmacist, Second Lieutenant; assistant pharmacist, First Lieutenant, and senior assistant pharmacist, Captain.

Sugar Foundation Offers Report on Use in Pharmacy

The Sugar Research foundation is issuing the fifth in its series of scientific reports, "Sugars and Sugar Derivatives in Pharmacy." It was prepared by Dr. Paul S. Pittenger, vice-president in charge of quality control for Sharp & Dohme, Inc.

Forms Own Firm

Philip J. Lo Bue, eastern sales manager of pharmaceutical and industrial chemicals for the Michigan Chemical Company, St. Louis, Mich., has resigned to form his own company, with offices at 70 East Forty-fifth street, New York, for the manufacture of iron reduced by hydrogen and iron phosphate and the sale of bromines, bromides, fine chemicals and biologicals. Mr. Lo Bue is exclusive agent for the D & L Chemical Products Company, New York. He formerly was associated with the J. T. Baker Chemical Company and Merck & Co.

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ACS New Haven Section Elects Coe

Dr. Wesley S. Coe of the Naugatuck Chemical Division of the United States Rubber Company has been elected chairman of the New Haven section of the American Chemical Society for 1947. He succeeds Professor Henry C. Thomas of the chemistry department of Yale University.

Dr. James English, jr., assistant professor of chemistry at Yale, and section secretary in 1946, was chosen chairman-elect. He will become chairman on January 1, 1948. Other officers of the section are Dr. George Murphy, associate professor of chemistry at Yale, secretary, and J. W. Wilkinson of the Connecticut Hard Rubber Company, New Haven, treasurer.

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Eastern Sales Head

William F. Green has been appointed by the Michigan Chemical Company, St. Louis, Mich., as eastern sales manager of pharmaceutical and industrial chemicals, with headquarters at 230 Park avenue, New York. He succeeds Philip J. Lo Bue, resigned. For the past year Mr. Green has been in charge of sales service at the company's home office. He formerly was with the Wyandotte Chemicals Corporation, Wyandotte, Mich.

Heyden Chemical Buys Nyal Co.

Acquisition by the Heden Chemical Corporation, New York, of the Nyal Company, distributor of drug products, Detroit, was announced last week by B. R. Armour, Heyden president, who stated that his company had obtained more than 99 percent of Nyal's common stock from Sterling Drug, Inc., New York, for an undisclosed sum.

Although no change in general Nyal policies is expected, five Heyden officials have been elected to the board of the acquired firm to replace Serling personnel. In addition to Mr. Armour, they are Dr. R. W. Harris, Heyden vice-president; Paul Van der Stricht, secretary; Dr. Gregory Stragnell, and Dr. H. A. Cheplin, president of Jamieson Pharmacal Company, Detroit, which was acquired by Heyden in 1945.

The Nyal Company, which has branches in New York, Atlanta, Kansas City and San Francisco, was formed in 1898 as the New York & London Company, and was incorporated as the Nyal Company in 1913.

South American Drug Firms Open U.S. Offices

Jairo de Almeida Machado, representing Medicamenta Fontoura and Fonto-Quimica, manufacturers and distributors of pharmaceuticals, San Paulo, Brazil, has arrived in the United States to establish headquarters in Washington and New York. The former will be maintained in the offices of Gordon Industrial Services, Inc., 1621 K street N.W., and the latter at Gordon Services, Inc., 111 East Fifty-seventh street.

Trade Briefs

American Sugar Refining Company has appointed Charles B. Castle sales manager of the western sales district.

Southern Research Institute's engineering division has added to its staff C. R. Freberg, formerly with the research department of the Carrier Corporation, and Margis Robinson, who will be an assistant in metallurgy.

Torsion Balance Company, manufacturer of precision laboratory weights and balances, has elected Charles E. Donovan vice-president and a director. He formerly was with the Bureau of Ordnance.

F. G. Sefing, of the development and research division of International Nickel Company, New York, has been named chairman of the educational division executive committee of the American Foundrymen's Association.

Airkem, Inc., manufacturer of chlorophyll air freshener and other products, and W. H. Wheeler, Inc., its national distributor, have been merged under the name of Airkem, Inc., with offices at 7 East Forty-seventh street, New York.

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C.C.T.	Cascara Comp., No. 3 Hinkle	C.T.	Throat Mentholated
C.C.T.	Rhinitis, ½ strength	S.C.T.	Cascara Comp., Hinkles
C.C.T.	Rhinitis, full strength	S.C.T.	Strychnine Sulphate, 1/60 gr.
C.T.	Acetanilid and Caffeine Comp., No. 1	T.T.	Strychnine Sulphate, 1/60 gr.
C.T.	Aspirin, 5 gr., Pink	T.T.	Strychnine Sulphate, 1/30 gr.
C.T.	Aspirin, 5 gr., Green	Capsules	Aspirin Compound (White)
C.T.	Phenacetin and Salol	T.T.	Saccharin, ¼ gr.
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C.T.	Pot. Permanganate, 5 gr.	C.T.	Sulphadiazine, 7.7 gr.
S.C.T.	Rhubarb and Aloe	C.T.	Sulphathiazole, 7.7 gr.

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AMYRIS OIL—4 dms, 1 can, Norda Essential Oil & Chemical Co, Puerto Prince—1 dm, Dodge & Olcott Co, Puerto Prince

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BAY OIL—2 dms, Wm Bernstein Co, Roseau—3 dms, J Manheimer, Roseau

BEES WAX—13 bgs, Machado & Co, Puerto Plata—5 bgs, Wessel, Kulenkampf & Co, Puerto Plata—16 bgs, Schutte & Focke, Ciudad Trujillo—60 bgs, National City Bank, Ciudad Trujillo—15 bgs, Machado & Co, Cuidad Trujillo—100 bgs, L Luzzatto Co, Izmir—20 bgs, Diamond Co, Cristobal

BELLADONNA LEAVES—62 bls, Excel Importing Co, Genoa

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BERYL—320 bgs, Metal Traders, Inc, Freemantle

BILE—10 cs, American Ferment Co, Montevideo

BONES—1,549 bgs, Darmstadt, Scott & Courtney, Montevideo

CADMIUM—2 cs, Cerro de Pasco Copper Co, Callao

CAMPHOR OIL—15 dms, Geo Lueders & Co, Hongkong—3 dms, Orbis Products Corp, Hongkong—18 dms, Dodge & Olcott Co, Hongkong

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CARNAUBA WAX—74 bgs, American Cyanamid & Chemical Corp, Bahia—22 bgs, National Products Corp, Fortaleza—315 bgs, S C Johnson & Son, Fortaleza—53 bgs, Wessel, Duval & Co, Fortaleza—44 bgs, Hale Hamilton, Ltd, Fortaleza—56 bgs, American Cyanamid & Chemical Corp, Fortaleza—44 bgs, Biddle-Sawyer Corp, Rio Janeiro—110 bgs, American Cyanamid & Chemical Corp, Rio Janeiro—66 bgs, Hilton Davis Chemical Co, Rio Janeiro—33 bgs, Smith & Nichols, Rio Janeiro

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CASTOR OIL—250 dms, E I du Pont de Nemours & Co, Rio Janeiro—125 dms, Bunge Bros, Recife—500 dms, Bate, Robinson, Ltd, Canada, Recife

CELERY SEED—74 bgs, Joensson & Cross, Marseilles

CERAMIC COLORS—2 cs, 1 ck, B F Drakenfeld & Co, Liverpool

CHALK, PRECIPITATED—300 bgs, H J Baker & Bro, Liverpool

CINCHONA BARK—767 bgs, J Berlage & Co, Singapore

CITRONELLA OIL—5 dms, Jasius Import Corp, Singapore

COCONUT OIL—550 tons, E F Drew & Co, Manila

COD OIL—58 dms, National Oil Products Co, St Johns—40 bbls, E F Drew & Co, St Johns—44 dms, Pierre Audrieny, Halifax—50 dms, Atlas Refinery Co, St Johns

CODLIVER OIL—265 dms, McKesson & Robbins, Hull—100 dms, Atlas Refinery Co, St Johns—20 bbls, E F Drew & Co, St Johns—48 dms, Pierre Audrieny, Halifax

COLCHICUM SEED—2 bgs, Abbot Laboratories, Chicago, Trieste

COPAL GUM—150 bgs, S Winterbourne & Co, Manila—127 bgs, Kennedy, Butcher & Co, Manila

CORIANDER SEED—569 bgs, Louis Furth, Inc, Buenos Aires

COSMETIC BASE—200 cs, Goldschmidt Chemical Corp, Sydney

COTTON LINTERS—48 bls, Riverdale Mills, Augusta, Fortaleza—694 bls, Williamson, Northrup Co, Santos—97 bls, International Commercial Co, Santos

CREOSOTE OIL—50 dms, Olcoa S S Co, Liverpool

CRESYLIC ACID—359 dms, Monsanto Chemical Co, Liverpool—150 dms, W D Neuberg, Inc, Hull—88 dms, Merck & Co, Hull—135 dms, American British Chemical Supplies, Inc, Sydney—50 dms, Republic Chemical Co, Glasgow—100 dms, Glasgow—162 dms, Manchester

CRYSAROBIN—4 cs, Biddle-Sawyer Corp, Rio Janeiro

CUBEBS—100 bgs, S B Penick & Co, Singapore

CUMIN SEED—103 bgs, Louis Furth, Inc, Istanbul—199 bgs, Otto Gerdau Co, Bombay—200 bgs, Irving Trust Co, Bombay—600 bgs, A G Dunn, Bombay—250 bgs, Krosrovschami & Co, Bombay

CYMBARUM OIL—23 dms, Dodge & Olcott Co, Rio Janeiro

DAMMAR GUM—170 cs, 1,430 bgs, O G Innes Corp, Singapore—280 bgs, H P Winter & Co, Singapore—15 cs, Harrison & Crossfield, Montreal, Singapore—25 cs, W H Scheel, Singapore—562 cs, S Winterbourne & Co, Singapore—390 bgs, 50 cs, U S Industrial Chemical Co, Singapore—350 bgs, American Cyanamid & Chemical Corp, Singapore—50 cs, Gillespie-Rogers-Pyatt Co, Singapore

DEXTRIN—125 bgs, O Eisman, Rotterdam

DIMETHYLANILIN—475 dms, Marine Midland Trust Co, Melbourne—333 dms, Barclay Chemical Co, Sydney

ELEMI GUM—14 bbls, G H Lincks, Manila

ETHYLBENZENE—1 cs, Monsanto Chemical Co, Liverpool

EUCALYPTOL—2 dms, S B Penick & Co, Melbourne

EUCALYPTUS OIL—10 dms, S McCoy & Co, Melbourne—40 dms, Magnus, Mabee & Reynard, Melbourne—20 dms, Orbis Product Corp, Sydney

FISH LIVER OIL—50 dms, United States Commercial Co, Yokohama

FISH OIL—1 bbl, C H Powell & Co, St Johns

FLEASEED—55 bgs, S B Penick & Co, Marseilles

FLUORSPAR—1 bg, W S Jones Co, Santos—2 bgs, American Cyanamid & Chemical Corp, Santos

FUEL OIL—96,000 bbls, Standard Oil Co N J, Aruba

GALL—5 dms, Bank of New South Wales, Sydney

GAMMEXANE—20 dms, Chicago, Liverpool

GLANDS—84 cks, Eli Lilly & Co, Indianapolis, Buenos Aires—45 cks, Van Gelder-Fanto Corp, Buenos Aires—5 cks, Tupman-Thurlow Co, Buenos Aires—143 cs, Tupman-Thurlow Co, Montevideo

GAS OIL—62,843 bbls, First National Oil Co, Tampico

GLUE—45 bgs, Royal Bank of Canada, Valparaiso—380 cs, C B Hewitt & Bros, Buenos Aires—100 bgs, Biological Raw Product Co, Rotterdam

GLUESTOCK—122 bls, J Garvers & Co, Rio Janeiro—577 bls, H Remis & Co, Rio Janeiro

GLYCERIN—1,000 dms, E I du Pont de Nemours & Co, Bombay—156 dms, C J Schellings Q., Bombay—34 dms, L Pasternak Co, Kingston

GRAPHITE—10 cs, Koh-I-Noor Pencil Factory

GYPSUM—5,823 tons, United States Gypsum Co, Deep River

HERBS, CRUDE—54 bls, E Meer & Co, Trieste—2 bls, 334 cs, S B Penick & Co, Buenos Aires—66 cs, J L Hopkins & Co, Buenos Aires

HERRING OIL—87 bbls, Swift & Co, Chicago, St Johns

HYOSCINE HYDROBROMIDE—3 cs, C L Huisking & Co, Melbourne

IRON ORE—100 tons, Lever Bros Co, Hull

IRON OXIDE—8 cks, J Lee Smith & Co, Hull

JUNIPER BERRIES—262 bgs, Corn Exchange Bank, Livorno—143 bgs, Trust Co of North America, Genoa—334 bgs, Corn Exchange Bank & Trust Co, Leghorn—84 bgs, J L Hopkins & Co, Leghorn

KARAYA GUM—714 bgs, Innis, Speiden & Co, Bombay—400 bgs, Wessel, Duval & Co, Bombay—135 bgs, Stein, Hall & Co, Bombay—133 bgs, E Meer & Co, Bombay—133 bgs, T M Duche & Sons, Bombay—200 bgs, Wm M Allison & Co, Bombay—466 bgs, J B Gruman Co, Bombay—456 bgs, S B Penick & Co, Bombay

LIME OIL—16 cs, Magnus, Mabee & Reynard, Bombay—2 dms, Citrus & Allied Essential Oil Co, Porto Plata—15 cs, Florsynth Laboratory, Port Spain

MACE—10 cs, A G Dunn, Grenada—22 cs, Catz American Co, Singapore—40 cs, International Credit Handel, Singapore

MENTHOL—30 cs, American Far Eastern Syndicate, Hongkong—50 cs, Universal Trading Co, Shanghai—17 cs, Geo Lueders & Co, Rio Janeiro

MICA—39 cs, Guaranty Trust Co, Rio Janeiro—36 cs, National City Bank, Rio Janeiro—120 cs, Cosmopolitan Trading Corp, Rio Janeiro—77 cs, Otto Gerdau Co, Rio Janeiro—249 cs, A O Schoonmaker Insulating Co, Rio Janeiro—30 cs, Eugene Munsell & Co, Rio Janeiro—57 cs, United Mineral & Chemical Co, Rio Janeiro—49 cs, Ford Radio & Mica Corp, Rio Janeiro—33 cs, H G Brake & Co, Rio Janeiro

MUSTARD SEED—300 bgs, Old Dutch Mustard Co, Rotterdam—300 bgs, Becker-Mayer Seed Co, Rotterdam—100 bgs, Joel Bieler, Rotterdam

NISPERO GUM—35 bls, L A Dreyfus & Co, Cristobal

NUTMEGS—100 bgs, J A McGlade, Grenada—50 bgs, Frank Tea & Spice Co, Grenada—20 bgs, Dodge & Olcott Co, Grenada—206 bgs, Middleton & Co, Grenada—50 bgs, Max Van Pels, Singapore—700 bgs, Otto Gerdau Co, Singapore—40 bgs, Singapore

OITICICA OIL—900 dms, Murray Oil Products Co, Fortaleza—290 dms, Brown Oil & Chemical Co, Fortaleza

ORANGE OIL, BITTER—3 dms, Citrus & Allied Essential Oil Co, Porto Plata

ORTHONITROCHLORBENZENE—20 dms, Ciba Co, Inc, Liverpool

OURICURY WAX—112 bgs, W R Grace & Co, Bahia—174 bgs, Wax & Rosin Product, Inc, Bahia—81 bgs, Bank of London & South America, Bahia—112 bgs, Avon Trading Co, Bahia

PALMAROSA OIL—10 pots, Norda Essential Oil & Chemical Co, Bombay

PAPRIKA—50 bgs, Chicago Macaroni Co, Buenos Aires

PATCHOULI OIL—22 cs, International Credit Handel, Singapore—4 cs, Chevalier & O'Connor, Penang

PEBBLES—2,093 bgs, Buerbendorf Bros, Havre

PEPPER, BLACK—318 bgs, Van Norden & Archibald, Rotterdam—748 bgs, Imperial Commodities Corp, Singapore—2,265 bgs, Otto Gerdau Co, Singapore—808 bgs, J Berlage & Co, Singapore—465 bgs, A G Dunn, Singapore—659 bgs, Balex Co, Singapore—240 bgs, Hecht, Levis & Kahn, Singapore—80 bgs, Max Van Pels, Singapore—50 bgs, E Meer & Co, Singapore—1,325 bgs, C T Wilson & Co, Singapore—36 bgs, Volkart Bros, Singapore—784 bgs, International Credit Handel, Singapore—730 bgs, Singapore—60 bgs, Knickerbocker Mills Co, Bombay—240 bgs, Rutzer-Bleecker & Co, Bombay—600 bgs, C Czarcukow, Singapore—300 bgs, A G Dunn, Hongkong—200 bgs, Joensson & Cross, Hongkong—200 bgs, Rotterdam—20 bgs, J H Speiberg, Singapore—100 bgs, Hds de Ping Verdoguth, Singapore—160 bgs, Wm M Allison, Singapore—150 bgs, Bank of New York, Singapore—290 bgs, Littlejohn & Co, Singapore—43 bgs, W E Martin Co, Singapore—352 bgs, Overseas Barter, Inc, Bombay—White, 784 bgs, International Credit Handel, Singapore—560 bgs, M Rothschild & Co, Singapore—112 bgs, Singaport

PERILLO GUM—129 bdls, Chicle Development Co, Buenaventura

PETITGRAIN OIL—138 dms, Bunge Corp, Montevideo

PETROLEUM, CRUDE—206,714 bbls, Standard Oil Co N J, Las Piedras—217,803 bbls, Standard Oil Co N J, Cartagena

PHARMACEUTICAL PRODUCTS—5 cs, Eli Lilly & Co, Indianapolis, Rio Janeiro

PIMENTO—319 bgs, Victory Shipping Co, Kingston—240 bgs, R T French Co, Rochester, Kingston—300 bgs, First National Bank, Kingston

PIMENTO LEAF OIL—2 dms, W J Bush & Co, Kingston

POPPYSEED—100 bgs, Louis Furth, Inc, Rotterdam

POTATO STARCH—150 bgs, Chase National Bank, Rotterdam—250 bgs, Young & Glenn,

Rotterdam—500 bgs, Ferment Export Co, Rotterdam
PYRIDIN—23 dms, American British Chemical Supply, Inc, Sydney
QUARTZ—47 cs, Murray International Corp, Rio Janeiro—19 cs, Crystal Trading Co, Rio Janeiro—151 cs, Diamond Drill & Carbon Co, Rio Janeiro
QUASSIA CHIPS—600 bgs, W & A Leaman, Kingston
QUEBRACHO EXTRACT—10,000 bgs, River Plate Import & Export Corp, Buenos Aires
RESIN MUCUGE—257 bgs, Wessel, Duval & Co, Bahia
RHUBARB—180 cs, S B Penick & Co, Hongkong—24 cs, E Meer & Co, Shanghai—24 cs, Wm Bernstein Co, Shanghai
ROSEWOOD OIL—10 dms, Norda Essential Oil & Chemical Co, Belem
SAGE LEAVES—606 bls, Joensson & Cross, Trieste—184 bls, M J Golombeck, Trieste—302 bls, Louis Furth, Trieste—167 bls, R J Prentiss & Co, Trieste—14 bls, S B Penick & Co, Trieste
SANDALWOOD OIL—3 dms, Cox, Aspden & Fletcher, Freemantle
SARSAPARILLA ROOT—8 bls, S B Penick & Co, Kingston—5 bls, Peek & Velsor, Kingston
SCHEELITE ORE—400 bgs, Philipp Bros, Bahia
SEAL OIL—4 dms, National Oil Products Co, St Johns
SESAME SEED—330 bgs, C E Griffin & Co, Cristobal—1,048 bgs, W R Grace & Co, Cristobal
SHARK LIVER OIL—20 bbls, Wilbur, Ellis & Co, Rio Janeiro
SIENNA EARTH—100 bbls, Reichard-Coulston, Inc, Livorno—10 bbls, Adelphi Paint & Color Corp, Leghorn
SPINAL CORD—19 cs, Van Gelder-Fanto Corp, Buenos Aires
STARCH, TREATED—200 bgs, Keller Darian Paper Co, Rotterdam
STEARIC ACID—814 bgs, Yardley & Co, Buenos Aires
STEARIN PITCH—115 dms, C S Ziegler & Co, Hull
STORAX—40 cs, Ungerer & Co, Istambul—74 cs, Dodge & Olcott Co, Istambul—80 cs, Jacque A Davis, Izmir
STRAWBERRY LEAVES—10 bls, Excel Shipping Co, Genoa
TALC—400 bgs, Charles Mathieu, Genoa
TAPIOCA FLOUR—1,668 bgs, Java American Export Co, Rio Janeiro
TARA PODS—223 bgs, Vermilye Co, Callao
TEAWASTE—1,400 bgs, Maywood Chemical Works, Colombo
THEOBROMINE—10 bbls, C L Huisking & Co, Santos
TUNG OIL—160 dms, W R Grace & Co, Hongkong—672,000 lbs, Balfour, Guthrie & Co, Hongkong—448,000 lbs, L N Jackson & Co, Hongkong—940 dms, Universal Trading Co, Shanghai—425 tons, Werner G Smith Co, Shanghai—1,074 dms, Chun Ho Co, Shanghai
VANADIUM ORE—1,255 bgs, Vanadium Corp of America, Callao
VANILLA BEANS—5 cs, Thurston & Braidich, Roseau
VEGETABLE WAX—140 cs, United States Commercial Co, Kobe
WHALE OIL, HARDENED—1,003 tons, Commodities Prices Stabilization Corp, Canada, Sandefjord
WOLFRAM ORE—500 bgs, Wah Chang Trading Corp, Hongkong—1,000 bgs, Philipp Bros, Vigo

Baltimore

COPRA—5,080 tons, Procter & Gamble Trading Co, Cebu
FERROMANGANESE—1,667 tons, Sauda
GARNETLAC—100 bgs, Wm Zinsser & Co, Calcutta
MANGANESE ORE—2,000 tons, Bethlehem Steel Co, Vizapagatum—1,000 tons, Carnegie Illinois Steel Corp, Vizagapatum

Boston

BAUXITE—3,585 tons, Monsanto Chemical Co, Georgetown
CARNAUBA WAX—22 bgs, F R Dolan, Jr, Fortaleza
CASSIA—17 bls, Singapore
COD OIL—104 cks, 16 dms, F W Damon, St Johns
COTTON LINTERS—615 bls, Cecil Kutz, Fortaleza
LIME JUICE—35 cks, J P W Van Lear & Co, Roseau
PEPPER, BLACK—84 bgs, Singapore
TEXTILE GUM—100 cks, J P Marston Co, Liverpool

Norfolk

FUEL OIL—92,455 bbls, Standard Oil Co, N J, Aruba
MANGANESE ORE—9,700 tons, E J Lavino & Co, Takoradi

Philadelphia

COD OIL—100 dms, Whiteman, Walton Co, St Johns
CODLIVER OIL—106 dms, Manufacturers Trust Co, St Johns—68 cks, Whitmoyer Laboratories, St Johns
IPECAC ROOT—5 bgs, Julio Vigil & Galigares Co, Cristobal
JUNIPER BERRIES—43 baskets, Panati & Co, Livorno
ZIRCON SAND—5,927 bgs, Philadelphia National Bank, Sydney

San Francisco

PEPPER, BLACK—350 bgs, D Hecht & Co, Bombay
TUNG OIL—160 tons, S L Jones & Co, Hongkong

National Petroleum Council Chairman Named

OPD Washington Bureau

Walter S. Hallanan of Charleston, W. Va., president of the Plymouth Oil Company, has accepted the permanent chairmanship of the National Petroleum Council. This is an industry advisory group named by Secretary of the Interior J. A. Krug at the suggestion of President Truman in June, 1946.

The Council advises the Secretary of the Interior and the Oil and Gas Division on matters pertaining to petroleum. Mr. Hallanan has been temporary chairman since organization of the council last June.

Trade Briefs

Celanese Corporation of America has started work on its new cellulose acetate yarn producing plant at Rock Hill, S. C.

Carbide & Carbon Chemicals Company has been granted Civilian Production Administration approval for a two-story addition to its office building at Texas City, Tex. The project is expected to cost $96,800.

T. F. Pevear has been named assistant general sales manager for Eastman Kodak Company, Rochester. Thomas C. Connors has been made manager of the New York branch of the company.

Corning Glass Works of Canada, subsidiary of Corning Glass Works, Corning, N. Y., is now producing the first heat-resistant glass ovenware to be manufactured in Canada at its plant in Leaside, Ontario.

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Western Reserve Eases Pharmacy School Study

An optional five-year course, as an alternative to the present four-year course, has been announced at the school of pharmacy of Western Reserve University, Cleveland. The purpose of the new plan is to lighten the semester load of studies and to give students more time for elective courses and extra-curricular activities.

Consulting Chemists

—Continued from page 7

the research activities within chemical organizations.

"Technical advice alone, however, will not solve many of the problems that confront management today," he said, particularly when decisions must be made on venturing into new fields."

Guiding Industry

The consultant who is prepared to give broad service in guiding the industrial engineer, will not only be making a maximum contribution to the commercial success of the enterprise and to the strengthening of our national economy, but will also find himself working in close contact with top management and therefore in a position to promote the attainment of industrial peace, Dr. Keevil stated.

He advised that the consultant work closely with the top management, both to support the research director and to make sure that his own independent viewpoint is properly presented at the policy-making level.

Collaboration of Consultants

The need for close collaboration among consultants was stressed by Dr. Bjorksten as a bar to growing competition.

"Today, the field of the independent professional chemist is being invaded by tax-free research institutions, working with university or government subsidies," Dr. Bjorksten said. "Against this competition we must offer superior service, by providing superior flexibility, superior experience in our respective specialties, and, above all, by working together."

No institution, firm or university foundation, however large, has a fund of experience as practical, wide and developed as that represented by our organization when we combine for mutual support, Dr. Bjorksten added.

Dr. Oser discussed the broad aspects of the scientist's responsibility toward industrial peace and specified what the scientists can do about it in his own sphere of influence.

"First," he said, "he can apply the same objective thinking to the social and political problems that face the society of which he is a part as he does to his laboratory projects. Second, the scientist must realize that long range security and peace can only be achieved by short steps, and he should avoid no opportunity to speak, write or work for a more equitable society, along lines which he has objectively appraised as most likely to lead to it."

Dr. Oser also advocated that the scientist focus his attention upon conditions within his scope of observation which tend to give rise to industrial unrest. To the extent that he is able to offer a solution he should do so, he said, with the hope, if not the assurance that his voice will be heeded.

Dr. Oser advised that scientists unite and establish forums or media for the open discussion of the social, economic and political problems of the day. Organization of scientists should be formed with a view toward enlarging their role in society and not merely toward advancing their own professional interests, he said.

Industrial Peace Defined

Mr. Molnar defined industrial peace as a state of affairs allowing the full utilization of the three necessary factors of national economy, namely, natural resources, labor and management.

Using the coal industry as one example of what the consultant can and should do, Mr. Molnar stressed the unscientific methods of mining and utilizing coal, and said that consultants should urge the sponsoring of research projects to improve these methods.

"Shortages are another cause of disrupted industrial peace," he said. "Shortages in the chemical industry are further due to inefficient transition of government owned plants into private hands. Proper consulting service to the government can eliminate this delay."

Consultant's Opportunity

Mr. Molnar said that at present there is a fine opportunity for the consultant in connection with the demilitarization of surplus materials owned and stored by the government.

"On account of lack of proper methods of conversion," he said, "or because the cost of conversion may be higher than the cost of construction, the government is tempted to dump materials when, by proper research, the conversion cost would be only a fraction of the value obtained. I know of instances where persuasion by consultants prevented the destruction of goods."

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Baggett Heads ACS Western Md. Section

John L. Baggett, department head of the Celanese Corporation of America in Cumberland, Md., has been elected chairman of the Western Maryland section of the American

John L. Baggett

Chemical Society for 1947. He succeeds Julian G. Patrick, chief chemist of the West Virginia Pulp & Paper Company, who was named to the society's national council.

Herbert C. Heineman of Celanese, who was the section treasurer in 1946, was made chairman-elect. Other officers are Samuel B. McFarlane, research chemist of Celanese, reelected secretary, and Dr. Robert T. Armstrong, research chemist of Celanese, treasurer.

Nat'l Safety Council Offers Accident Prevention Manual

After more than two years research and preparation, the National Safety Council has published its new "Accident Prevention Manual for Industrial Operations," which the council believes is the most comprehensive treatment of the fundamentals of safety available in one volume.

The 544-page manual, containing 400 illustrations, charts and tabulations, is intended as a handy and authoritative source of accident prevention information for safety directors, safety engineers and foremen. Each of the fourteen major divisions of the book is preceded by a summarizing index for quick location of general topics, while a twelve-page detailed alphabetical index at the back gives access to details.

The fourteen major subjects covered are: plant design and layout, construction and demolition, permanent equipment and facilities, guarding and operating machinery, materials handling and storage, electrical hazards, chemical hazards, fire and explosion hazards, flammable liquids, hand and portable power tools, commercial vehicle operation, personal protective equipment, industrial hygiene, and safety organizations and programs.

The manual is available to both members and nonmembers of the council. Further information may be obtained by writing the National Safety Council, 20 North Wacker Drive, Chicago 6, Ill.

Pa. Salt Names Abbott Labor Relations Manager

The Pennsylvania Salt Manufacturing Company, Philadelphia, has appointed Frederick C. Abbott manager of labor and personnel relations. Mr. Abbott left the Ozark Chemical Company in 1943 to join Pennsylvania Salt as manager of the new products division, and more recently was assistant production manager.

Trade Briefs

Merck & Co., pharmaceutical manufacturer, Rahway, N. J., has elected to the board Edward Reynolds, administrative vice-president of Harvard University.

Dr. Robert Burns Woodward, who with Dr. William E. Doering, reported the synthesis of quinine in 1944, has been appointed an associate professor of chemistry at Harvard University. He is twenty-nine years old.

Mercuric Compounds HIGH PURITY

Mercuric Iodide, C. P. and U. S. P.

1. Starting point in making compounds with iodine fatty acids.
2. Starting point in making paint pigment with the aid of cuprous iodide.
3. Used as pigment in paints for indicating excess heat by change in color.

Mercuric Nitrate, C. P.

1. Used in nitration of aromatic organic compounds.
2. Process material in felt manufacture.
3. Ingredient of mercury fulminates.

Mercuric Oxide, red, C. P.

Mercuric Oxide, yellow, C. P. and U. S. P.

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2. Starting point in making mercuric salts, mercury pharmaceuticals, and mercury parasiticides.
3. Oxidizing agent in making hypochlorous anhydride, diiodosalicylic acid, cyanamide from sulfourea, and amino and acetylene compounds by sulfonation, reduction and nitration.
4. Desulfurizing agent in making various organic compounds.
5. Pigment in making anti-fouling paints and varnishes.
6. Ingredient of various cosmetics, grease paints, and pomades.

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Compressed Gas Ass'n

—Continued from page 7

Inc., presented a discussion of the legal and bureauocratic regulatory threats, in which he said that the pressure of certain groups, such as the common hired carriers, are trying to have imposed upon the private truck owners. Of all property-carrying motor vehicles in the United States he estimated 89 percent to be privately owned, and these owners operate 87 percent of such vehicles. The plans of the Highway Safety Committee of the National Council for a nation-wide safety instruction program over a sixteen month period was outlined.

Fluorine Under Pressure

Dr. J. F. Gall, of the Pennsylvania Salt Company, presented a paper on "Fluorine Under Pressure." Last year, he said, elemental fluorine was offered commercially, in compressed gas tubes, for the first time. Fluorine is in nature, Mr. Gall said, the most abundant of all the halogens and comes from the primary sources of fluorspar, phosphate rock, and cryolite. The chief intermediates in fluorine chemistry, he said, are hydrogen fluoride (aqueous and gaseous) and fluosilicic acid. It is being marketed at $20 per pound.

Low Temperature Research

Dr. Herrick L. Johnston, of Ohio State University, discussed low-temperature research. The gas separation industry, he said, is the largest industrial accomplishment of low-temperature research. Important in the liquid oxygen field, he said, is the new demand for liquid oxygen in the rocket program, where it is used, he said, as an oxidant for alcohol and related fuels.

Liquid hydrogen used during the war and liquid deuterium are of potential importance, he added. Refrigerants used in low-temperature research are liquid air, liquid hydrogen and liquid helium. Use of the Joule-Thompson liquifier and the expansion engine, he said, enable very low temperatures in the general range of one to five degrees K.

By use of the electron moments of a paramagnetic substance in a helium thermally insulated atmosphere, temperatures, Mr. Johnston said, as low as 0.003° K can be obtained. In a system where these electron moments are used for pre-cooling, and nuclear moments of a paramagnetic substance are used in a helium thermally insulated atmosphere. Dr. Johnston predicted that temperatures in the range of 0.0001° K could be obtained.

Atomic Energy

Dr. John R. Dunning, of the department of physics of Columbia University, discussed the future of atomic energy. Dr. Dunning illustrated his lecture by showing on a televised screen the atomic discharges of neutrons from a sample of uranium.

Dr. Dunning stated that scientists are now able to transmute most of the elements, that all atoms above lead are unstable and radioactive, and that anything above uranium does not exist in nature because they are too unstable to live. His demonstration illustrated how the number of atomic explosions in uranium can be stepped up by slowing down the neutron speed through the use of such moderators as water and carbon.

Dr. Dunning felt that atomic energy would not put other fuels on the obsolete list but would only augment them, since atomic energy operations are not adaptable from a physical standpoint to small power unit requirements. Uranium is more abundant than copper, but much of it is in low-grade ores. However, because of the value of uranium, these lowgrade ores can economically be worked, he added.

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Monsanto Forms New Division in Texas

Monsanto Chemical Company, St. Louis, has announced the formation of a Texas division of the company, with headquarters at Texas City, and named Joseph R. Mares as general manager of the new manufacturing unit.

The 50,000 ton capacity styrene plant at Texas City, which Monsanto purchased from the War Assets Administration in August, 1946, for $9,550,000, will form a nucleus for the new manufacturing division. Production of the first polystyrene plastic at Texas City is expected shortly, and plans already are under way for further Texas expansion.

News of the Texas division followed closely the formation on January 1 of a western division of Monsanto at Seattle, Wash. This brings to six the number of operating divisions within the company.

The Texas City plant, which has been operating at full capacity since the end of the war, was designed, built and operated for the government by Monsanto. It supplied about 25 percent of the styrene required for the synthetic rubber program.

Mr. Mares has been director of Monsanto's development department since 1943. A graduate of Massachusetts Institute of Technology, he has been in the employ of the company since 1929.

Lactic Acid Use During War Reported

OPD Washington Bureau

The wartime end-use of lactic acid, based on chemical allocation records of the War Production Board, has been reported by the Department of Commerce. Lactic acid allocations, in pounds, during the period October 1, 1944, through March 31, 1945, were as follows:—

	Amount	Percent
Total Allocations	5,899,000	100.0
Direct military*	2,292,000	40.7
Export	179,000	3.0
Other uses	3,428,000	56.3
Food processing	592,000	10.0
Leather processing	506,000	8.6
Beverages	413,000	7.0
Plastics	153,000	2.6
Textile processing	114,000	1.9
Adhesives	93,000	1.6
Sodium lactate	79,000	1.4
Medicinals and pharmaceuticals	22,000	0.4
Miscellaneous and small orders	1,456,000	22.8

* End-use data not available.

Trade Briefs

Geer Drug Company, Charleston, S. C., is celebrating its fiftieth anniversary.

McCormick & Co., manufacturer of spices and insecticides, Baltimore, has appointed G. M. Baxter director of drug sales. He formerly was associated with the Emerson Drug Company.

Pulverizing Machinery Company, Summit, N. J., is issuing a new booklet describing its complete line of pulverizers and atomizers and outlining the company's facilities for analyzing grinding problems.

Pennsylvania Salt Manufacturing Company's special chemicals division is issuing a four-page leaflet giving instruction on cleaning and pickling cycles for porcelain enamelers. It may be obtained by writing the company at 1000 Widener building, Philadelphia.

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7	Through the Years	6

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A MESSAGE to DIRECTORS of RESEARCH about

BY PENICK

Ouabain, USP has been produced in the Penick Laboratories for a number of years, but heretofore in relatively small amounts because of its limited use as a reference standard.

Ouabain is highly valued abroad as a cardio-active drug and now the U. S. Pharmacopoeia XII contains a monograph of considerable length describing Ouabain and its use intravenously.

The potentialities of Ouabain are many and increased production by Penick, at lowered cost, makes it more attractive as an item for research and study, possibly leading to the development of new marketable products.

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Botanical Drugs, Spices, Gums

Prices for botanical drugs underwent a quite shake down during the past week. Although some articles sold at higher levels mainly because of more or less acute shortage of the individual items, the majority of changes were in favor of buyers. In some measure, botanical prices seemed to be moving along the road now being traveled by commodity prices generally in this country. Throughout the whole land, commodity prices are being shaken down; some sharply, and others moderately, but practically all of them inevitably. At least, that was the statement of a botanical drug house representative who returned last week from a nationwide survey.

Of more than passing interest was the fact that of the price advances made last week, all but four took place in domestic articles. And of the price declines, they escaped being 100 percent in imported botanics by the narrowest of margins: only three out of nineteen articles were of domestic origin. It would thus appear that domestic botanics resist price declines far more successfully than does imported merchandise.

With this shaking down of prices has come an increase in local competition. Botanicals no longer are solely a sellers' market. Buyers have recovered their practice of shopping before they buy and that fact is an added influence in increasing the competition that at times is responsible for price declines.

In domestic botanicals, less opportunity exists for a revival of typically botanical drug competition; supplies are still far too small and it is not at all certain that normal collections can be secured in the domestic primary market. That situation does not apply to imported botanics. The American dollar is so badly needed abroad that foreign countries supplying the bulk of botanics imported into this country count on their sales of their native produce to increase their dollar credits for the purpose of buying the necessities of life that only the United States seems able to supply. Imported botanics seem to have entered the path of greater competition that leads to a buyers' market. In domestic drugs, that path is still more or less closed.

Balsams

Copaiba—In moderate demand at steady prices. Supply was better than it was a short time back.

Fir—Demand was within jobbing limits but the market continued to display a firmer tone developed after the recent rather substantial drop in quotations.

Barks

Black Haw—Root bark sold at a moderate advance on expansion in trade and inquiry in quarters reporting 85c. per pound, done. The market ended the past week firmer at 85c. to 90c. per pound in most directions. One seller quoted 80c.

Buckthorn—More favorable quotations were reported on cut and sifted material. Sales in moderate quantities took place at a decline to the basis of 49c. to 50c. per pound and more was offered thereat.

Sassafras—Select bark came in for demand renewed along more substantial lines and the absence of normal reserves was quickly reflected in prices at 75c. to 80c. per pound which was done under competitive circumstances. Late in the week, one quarter quoted 65c.

White Pine—Though comparatively scarce at this time, one quarter quoted the article at 21c. to 22c. per pound while others refused less than 23c.

Wild Cherry—Rossed thin green bark was advanced further to 24c. to 26c. per pound and ended the week in light supply and strong price position.

Beans

Calabar—A few pounds might be obtained locally but since interest in the article has been poor, nothing has encouraged the restocking of the article on a normal basis if that were possible.

Vanilla—Generally very firm in all quarters and moving well within the limits of importers' ability to accept new orders. The unsold supplies now on spot are comparatively small and current holdings have been well engaged ahead and are being ordered out steadily as their owners' needs show no contraction.

Berries

Cubeb—Arrivals have brought a sharp break in prices. XX quality merchandise could be obtained for a spot delivery at 90c. to $1 per pound according to quantity and powdered material was available at $1.15 to $1.25. Business was slow enough to encourage considerable competition.

Juniper—Prices were lowered once

For Late Market Developments, See Page 4

Market Trends

Prices Advanced

Drugs

Agrimony herb, 1c. per lb.
Arabic gum, ½c. per lb.
Beth root, 10c. per lb.
Blood root, 10c. per lb.
Buchu leaves, 25c. per lb.
Colombo root, 2c. per lb.
Prince's pine, 5c. per lb.
Sweet basil, 15c. per lb.
Wild cherry bark, rossed, thin, green, 2c. per lb.
Yerba santa leaves, 2c. per lb.

Other Articles

Clove, Zanzibar, 1c. per lb.
Madagascar, ½c. per lb.
Marjoram, Chilean, ¼c. per lb.
Paprika, Portuguese, choice, 2c. per lb.
Spanish, choice, 1½c. per lb.
fancy, 1½c. per lb.
Pepper, black, 1½c. per lb.

Prices Reduced

Drugs

Aconite leaves, 35c. per lb.
Adonis vernalis, 15c. per lb.
Agaric, white, 10c. per lb.
Bryonia root, 10c. per lb.
Buckthorn bark, cut and sifted, 3c. per lb.
Burdock root, 10c. per lb.
Calamus root, domestic, 5c. per lb.
Coltsfoot leaves, 7c. per lb.
Corn silk, 15c. per lb.
Cubeb berries, XX, 45c. per lb.
powdered, 30c. per lb.
Doggrass root, imported, 8c. per lb.
Juniper berries, 1c. per lb.
Linden flowers, with leaves, 6c. per lb.
Peppermint leaves, domestic, 20c. per lb.
imported, 29c. per lb.
Rhubarb root, whole, 5c. per lb.
powdered, 5c. per lb.
Sassafras bark, select, 4c. per lb.
Tansy leaves, 7c. per lb.
Uva ursi leaves, 1c. per lb.
White pine bark, 2c. per lb.

Other Articles

Anise, Argentine, 3c. per lb.
Cyprus, futures, 4c. per lb.
Mexican, 3c. per lb.
Syrian, 3c. per lb.
Cassia, China, buds, 3c. per lb.
Saigon, all medium, 4c. per lb.
Celery seed, French, 1c. per lb.
Cumin seed, Syrian, 1c. per lb.
Persian, 1¼c. per lb.
Fennel seed, Argentine, 1¾c. per lb.
Mustard seed, Danish, yellow, 1½c. per lb.
Montana, yellow, source, 1½c. per lb.
Sage, Cyprus, 1c. per lb.
Dalmatian, 3c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
286.3	284.2	295.0	269.8

(For Current Prices see Page 9)

Imports Detained by FDA

Week Ended January 24, 1947

New York

Amyris oil, 4 drums: amyris falsamifera.
Aniseed, 227 bags: filthy.
Cassia, 200 packages: insect infested and contains insect filth.
Cassia oil, 10 drums: rosin and heavy metals.
Celery seed, 25 bags: filthy.
Chillies, 1,182 bags: live insects.
Cod oil, 217 drums: decomposed.
Cumin seed, 621 bags: dead insects; filthy.
Digitalis, 92 tins: filthy; excess acid insoluble ash.
Ergot, 29 drums: filthy; not USP.
Honey, 60 drums: commercial invert syrup.
Mace, 11 cases: filthy; live and dead insects and insect excreta.
Manna flake, 230 pounds: filthy.
Acotea Cymbarum oil, 9 drums: drums not properly labeled.
Pepper, black, 2,353 bags: filthy; excess siftings and pickings.
Pimento berries, 81 bags: filthy.
Stramonium leaves, 2 bales: moldy; not USP.

Philadelphia

Glycerin, dynamite, 14 drums: not USP.
Thyroid powder, 3 cases: not USP; label not in English.

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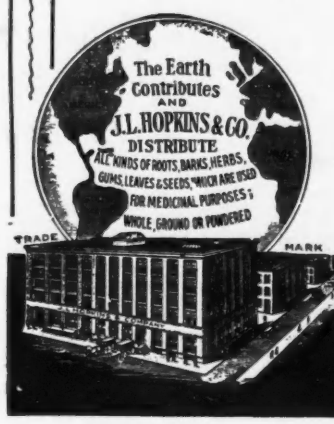
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COLOCYNTH PULP
COLOMBO ROOT
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ERGOT OF RYE
FENNEL SEED, Indian
FOENUGREEK SEED
GENTIAN ROOT
GINGER, Jamaica, Calicut
GRAINS OF PARADISE
GUM ARABIC AMBER SORTS
GUM KARAYA, Whole and Powder
HELLEBORE ROOT WHITE
HERBA HERNIARIÆ
HERBE MENTHE
HOREHOUND HERB
IRISH MOSS
JUNIPER BERRIES
KAMALA POWDER
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LAVENDER FLOWERS
LINDEN FLOWERS, with Leaves
MAHUANG, Chinese
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POPPY SEED, Indian
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more, the market becoming 18c. to 20c. per pound in most quarters and receiving but nominal support from most buyers. During the week, 565 parcels were received from Leghorn and Genoa.

Flowers

Chamomile—Moving in fair quantities at prices declared to be firm and not the object of competition between suppliers at this time.

Linden—Flowers with leaves declined further, reaching the position of 40c. to 42c. per pound as sellers competed for the not large amount of business presented during the past week.

Saffron—Inquiries for pound lots of Spanish flowers were more common last week and business done served to give a firmer undertone to prices prevailing at $38 to $39 per pound.

Gums

Arabic—Prices were higher at 14½c. to 15c. per pound and some quarters refused to do business at less than the 15c. level. These prices were said to line up with the present replacement costs in the primary market. Exports from the Sudan in the first six months of 1946 were reported to have been 18,414 metric tons. The United Kingdom took 6,807 tons. During that period, 3,341 metric tons arrived in the United States from the Sudan, according to domestic import statistics.

Benzoin—Prices dropped to 85c. to 90c. per pound for Sumatra gum. Arrivals have been large and relatively steady for some time back and a considerable accumulation of supplies has resulted on spot. During the past week, 242 parcels reached here from Singapore.

Gamboge—Very little was to be had and the little that was available was valued more highly when prices on mass and pipe were set at $2.40 to $2.50 per pound and when powder went to $2 to $2.50.

Tragacanth—No. 1 ribbon was reported available at $4.50 per pound. The textile grades of tragacanth were said to be holding very steady under good request.

Herbs and Leaves

Aconite—As the result of recent additions to spot stocks by reason of goods being imported and ultimately released for consumption, spot quotations were lowered sharply to the basis of 75c. to 80c. per pound.

Adonis Vernalis—The market was lower at 65c. to 70c. per pound and a deal of competition prevailed among the several suppliers on spot.

Agrimony—The market moved up slightly to the basis of 40c. to 45c. per pound during the past week under the influence of somewhat less local competition.

Buchu—The situation on this article was very tight. Sellers most generally quoted the market from $1.05 to $1.10 per pound which was said to line up with higher replacement costs in South Africa. Local dealers had relatively little to offer; incoming goods have been well sold ahead prior to arrival.

Peppermint—Both domestic and imported material was down to $1 to $1.05 per pound last week and sellers indicated buyers' interest to be comparatively light. The result has been an increase in competition.

Prince's Pine—Supplies were short and replacement costs were high enough to support a higher spot quotation at 55c. to 60c. per pound.

Sweet Basil—Replacement costs stood relatively high and spot business was done during the past week at $1.10 to $1.15 per pound in a market but lightly supplied with spot stocks.

Tansy—It was a buyers' market last week and spot offerings reduced the local quotations to the basis of 25c. to 27c. per pound.

Uva Ursi—Quotations yielded some to current competition and local offerings came on the market at the lower level of 15c. to 16c per pound.

Yerba Santa—Sales at 32c. to 35c. per pound according to quantity and seller were made last week and the firmer and higher market showed some signs of the rise being extended if demand holds.

Miscellaneous

Agaric—White agaric was lower at $2.75 to $2.80 per pound according to

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Venetian courtiers renamed the plant Herba Bella Donna—Beautiful Woman. In 1548, a beauty aid. In 1947, an irreplaceable aid to the eye-specialist. And because Peter Squire in 1860 at London discovered its anodyne properties, plasters and liniment still contain belladonna.

Our Almanach

Feb. 2, 1947—Groundhog day.

Feb. 3, 1924—President Woodrow Wilson died.

Feb. 6, 1778—France recognized American independence.

Feb. 8, 1820—General William Tecumseh Sherman born.

WAREHOUSE AND MILLS

JERSEY CITY **NEW JERSEY**

CRUDE BOTANICAL DRUGS
TRADE *From Forty Nations* MARK

quantity and the market was dull so far as buying was concerned.

Corn Silk—Some standard quality merchandise has gotten by the Food and Drug Administration barrier of quality standards. The released goods were offered last week at the lower level of 55c. to 60c. per pound.

Hops—N. F. quality hops were cheaper at 55c. to $1.30 per pound and the range covered wide range in quality.

Kola Nuts—The market was easier and slightly lower at 9c. to 10c. per pound. Demand was strictly jobbing last week.

Lupulin—Supply and competition have hit prices substantially and spot asking prices last week were down to $10 to $11 per pound.

Roots

Beth—Firmer in most quarters and selling minimum at 55c. to 60c. per pound on revival of consumer interest.

Bryonia—More competition has followed additions to spot supplies in the recent past. Quotations became 45c. to 50c. per pound and the market had a moderately easy undertone.

Burdock—Competition was more active and some sellers set prices as low as 45c to 50c. per pound when trade was at issue. The call was moderate.

Calamus—Domestic material sold lower at 40c. to 50c. per pound and a generally unsettled market suggested the growth of more competition in local circles.

Colombo—The market was up to 17c. to 18c. per pound on sales during the past week and the undertone was much firmer at the close of the period.

Doggrass—Imported material was shaded to 40c. to 45c. per pound last week, ruling there at according to seller and quantity. Domestic root lacked quotable change.

Goldenseal—Strong and scarce on spot or in the country. Not much demand at the moment but the outlook favors a gain in export interest, come a new crop and greater availability of wild root. Cultivated material is not likely to be in better supply at an early date.

Helonias—Some sellers were disposed to advance prices, valuing their goods higher because of their inability to replace stocks immediately once they have gone. Demand did not press the issue to a conclusion but some definitely asked higher prices.

Ipecac—Small stocks were available and they seemed not likely to be increased substantially. It is a matter of getting proper replacements in the primary market and offerings there were said to be moderate in size at all times.

Mandrake—A firm to strong market on spot fitted in the availability of unsold stocks in primary market hands and the necessity of most dealers to await collection of the 1947 crop before replacing their much reduced supplies.

Rhubarb—Another price decline set whole root down to $1.35 to $1.40 per pound and powdered material to $1.45 to $1.50. It seemed likely that conditions would continue to bring price movements in favor of buyers for consumption. The supply is excellent; competition keen.

Seeds

Anise — The market weakened sharply. Prices dropped to the following bases:—Argentine, 36c. to 37c. per pound; Cyprus, futures, 35c. to 36c.; Mexican, 39c. to 40c.; Syrian, 36c. to 37c.

Celery—French seed was down once more, poised at 31c. to 32c. per pound in preparation for what dealers believe will be another decline. India seed remained steady.

Cumin—Syrian and Persian seed declined, the former to 34c. to 35c. per pound and the latter to 33¾c. to 34¼c. Selling pressure was strong on a weak market.

Fennel—Argentine seed declined to the basis of 13c. to 13½c. per pound.

Mustard—The sole changes in price came in Danish yellow, which was reduced to 20½c. to 21c. per pound, and in Montana yellow, which dropped to 18½c. to 19c. The balance of the group held unchanged.

Spices

Allspice—Competition shaded spot prices to 19c. to 19½c. per pound.

Cassia—China buds were sharply lower at 33c. to 33½c. per pound. Saigon all medium dropped to 32c. to 32½c. Broken Saigon became 26c. to 27c.; and Yunnan stood at 22c. to 23c.

Clove—Zanzibar spice was higher at 16½c. to 17c. per pound. Madagascar spice on spot rose to 14c. to 14½c. and futures were up to 13½c. to 14c. Stocks of both kinds of clove were comparatively light in firsthands.

Paprika—Stocks of Chilean pepper were no more. Choice Portuguese rose sharply to 47c. to 48c. per pound. Choice Spanish became 51c. to 52c.

Pepper—Black pepper continued to advance, selling in fair quantities at 56c. to 57c. per pound. Nearby futures were 54c. to 55c., and February arrivals were 51c. to 52c.

Markets at Other Centers

Los Angeles, Jan. 29.—Trading in botanical drugs and spices was limited here this week. Supplies are low, prices unchanged.

Marjoram — French type, 35c. per pound in dried form.

Sage—Dalmatian type, 34c. per pound for lots said to contain less than 12 percent stems.

Savory—French type, 75c. per pound.

Sweet Basil—90c. per pound for lots containing less than 12 percent stems.

Thyme—French type, 90c. per pound in dried and clean form.

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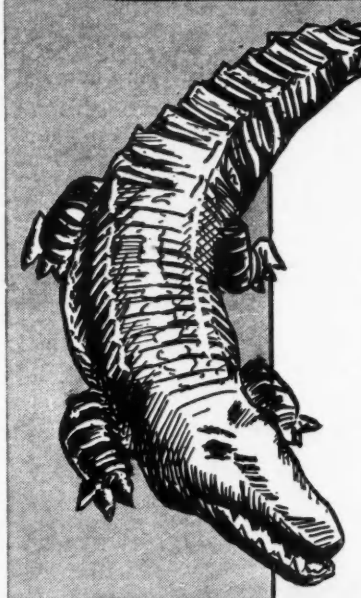

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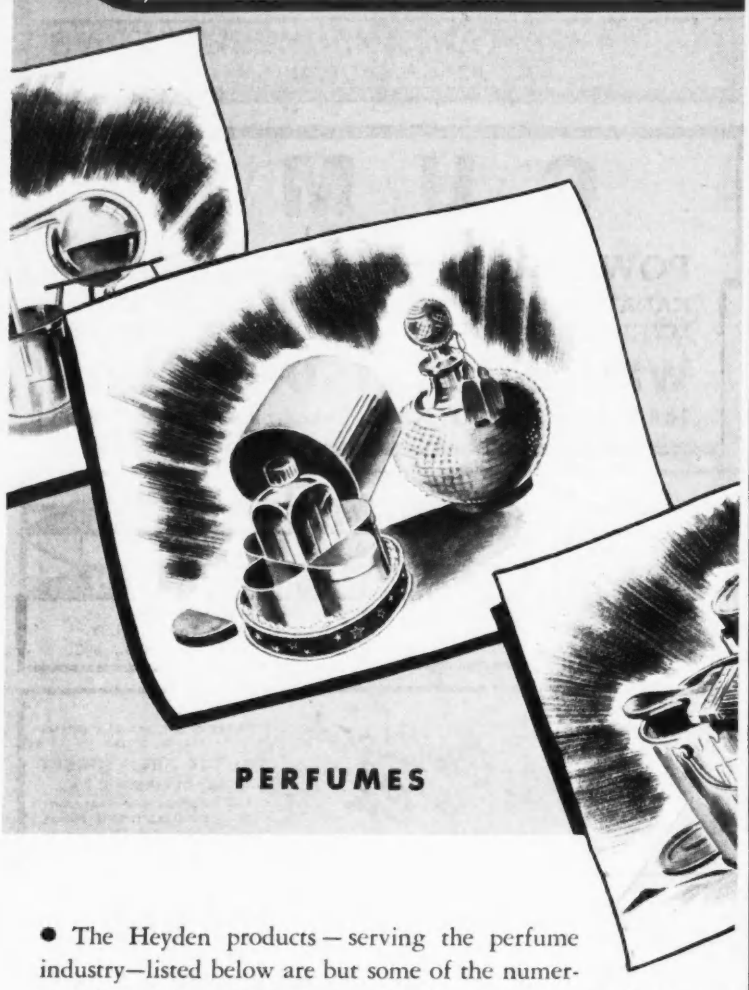

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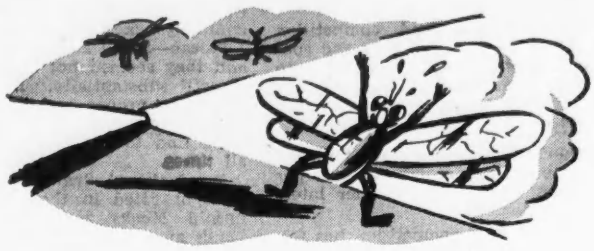

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Essential Oils, Other Aromatics

Price trends last week continued definitely downward in the essential oil market with lower quotations being noted in twelve oils. Trading was quiet in comparison to the high level of activity which had typified the market for so many months. The aromatic chemicals market showed definite gains in the acquiring of raw materials at easier prices, and NF anethol prices were reduced sharply in reflection of the lower costs of anise oil.

Improving stocks and the milder interest of buyers joined to force price reduction in anise, West Indian bay, natural Italian bergamot, Brazilian bois de rose, cedarleaf, dillseed, dillweed, hemlock, Paraguayan petitgrain, Spanish rosemary, wormseed and second ylang-ylang oils last week, in one of the most definite price trends in recent weeks. Buying was considered to be on the conservative side, and the reductions did not arouse particularly active interest from consumers. Prices for celery seed oil and Bourbon vetiver oil were advanced during the week.

Reductions in essential oil prices and in those of other basic materials needed for the production of aromatic chemicals were welcomed by producers last week. High raw material costs, coupled with high wages, had upped prices for aromatic chemicals considerably and it was hoped that easier supply costs would soon be reflected in the chemicals market. Primary problem facing producers last week was the discouraging container problem which was expected to defy solution for another six months.

Market Trends

Prices Advanced

Celery seed oil, 50c. per lb.
Vetiver oil, Bourbon, $1 per lb.

Prices Reduced

Anethol, NF, 400-lb. lots, 60c. per lb.
Anise oil, Chinese, 5c. per lb.
Bay oil, West Indian, 50-55%, 5c. per lb.
Bergamot oil, nat., Italian, 50c. per lb.
Bois de rose oil, Brazil, 15c. per lb.
Cedarleaf oil, U.S.P., 5c. per lb.
Dillseed oil, 25c. per lb.
Dillweed oil, 15c. per lb.
Hemlock oil, 5c. per lb.
Petitgrain oil, Paraguay, 10c. per lb.
Rosemary oil, Spanish, U.S.P., 5c. per lb.
Wormseed oil, 5c. per lb.
Ylang-ylang oil, second, $1 per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
222.3	223.9	222.4	216.0

(For Current Prices see Page 9)

Essential Oils

Anise—The downward progression of prices for Chinese, U.S.P., anise oil resumed last week following the lapse of one week during which no changes were effected. Prices for this type oil dropped 5c. per pound on the inside, establishing a range from $1.05 to $1.50 per pound. Movement of all stocks of Chinese oil was reported to be good, and buyer interest on both spot and futures was well maintained. Imports during the week totaled ninety drums from Hong Kong.

Bay—Quotations for West Indian, 50%-55% oil dropped 5c. per pound on the inside last week, when the oil was offered in a range from $1.35 to $1.70 per pound. The reduction, which followed an earlier lowering of prices for Puerto Rican oil, was attributed to the more optimistic outlook concerning stocks. Buyer interest was at a good level, and movement was steady. Imports during the week totaled five drums from the Dominican Republic.

Bergamot—Prices for natural Italian oil were gradually dropping back to an easier position last week as the first shock of the situation in the primary market began to wield a less serious influence, and to all appearances circumstances were less grim than they had appeared. The oil was offered in a range from $4.75 to $6.50 per pound, 50c. per pound lower on the inside than the prices reported during the previous week, but still 40c. per pound higher than those in effect before the sudden rise of two weeks earlier. Trading suffered only slightly in spite of the higher costs, although it was reported that some buyers and dealers were moving cautiously.

Bois de Rose—Prices for Brazilian oil were reduced 15c. per pound on the inside last week as stocks continued to display steady improvement, and buyer interest was well maintained. The oil was offered in a range from $5 to $6 per pound and prices were reported to be fairly steady. Imports during the period under review totaled ten drums.

Camphor—Reduction of prices for natural white oil by one dealer recently, was further justified last week by the arrival of thirty-six drums of oil from Hong Kong. The surprise reduction, unexpected because of the persistent shortages, was explained in part by the arrival of a fairly large shipment from the Far East during the previous week. Trading was moderately active, and prices were firm.

Cassia—Spot inquiry continued to dominate market activity last week, as buyer interest generally was well maintained. Stocks of oil were reported to be undergoing gradual improvement, and imports during the week totaled ten drums from Hong Kong. Prices were steady at the previous level, but were reported to be easing slightly.

Cedarleaf—Prices for U.S.P. oil were reduced 5c. per pound on the inside last week, establishing a range from $2.50 to $2.75 per pound. Demand slackened somewhat in view of enduring shortages, and there was little hope that volume shipments would be available in the near future. There were no imports noted during the period under review.

Celery—Activity in this market underwent a slight increase recently, and tight stocks forced an upward revision of prices last week. Seed oil was quoted 50c. per pound higher in a range from $17.50 to $22.50 per pound. All prices were firm, but small spot stocks were reported to be moving rapidly.

Citronella—Interest was undiminished last week as it was generally felt that a steady flow of oil from the Orient was developing to a point nearing certainty. Stocks were still limited, and demand outstripped supply by a wide margin, but the situation was materially improved. Imports continued to be limited to small volume shipments, and only five drums of oil were reported to have arrived last week from Singapore.

Dillseed—Narrowed interest and moderately large stocks sponsored a downward price revision last week as quotations were lowered 25c. per pound. The oil was offered in a range from $6.50 to $7, and it was reported that only small quantities were moving to the dull inquiry.

Dillweed—Prices for dillweed oil were reduced 15c. per pound on the inside last week, reflecting the limited buyer interest and the fairly large quantities of oil available. The price range established by the change was from $4.50 to $5.25 per pound.

Eucalyptus—Optimistic attitudes toward the development of a regular supply of oil continued in force last week as seventy-nine drums arrived in the United States from Australia. Buyer interest took an upward swing as prospects for acquisition of stocks brightened, with particular interest being shown on spot. Prices held firm and without change.

Fennel—One dealer announced a higher price for this oil last week as the outside quotation rose 5c. per pound. The range established by the change extended from $3.75 to $4.55 per pound. Prices generally held firm as stocks were relatively tight, and buyer interest was only moderate.

Hemlock—A lower quotation was forthcoming in this oil last week as the inside price was reduced 5c. per pound in reflection of the narrow demand. Prices ranged from $2.55 to $2.75 per pound, and were reported to be slightly easier all along the line. Stocks were fairly good, but movement was slow and irregular.

Lemon—Advances in the price for California U.S.P. lemon oil, reported during the previous week, were confined to certain dealers and others continued to quote the oil at $3.25 per pound, 25c. per pound below the price established by the reported increase. Last week the oil was offered in a

For Late Market Developments, See Page 4

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range from $3.25 to $3.50 per pound, and demand was excellent at all prices exceeding supply by a sizable margin. All prices were firm, and there was little prospect of easing as both domestic and imported oils were in tight supply.

Lime—Trading continued at a fast pace last week as stocks were reported to be adequate, and buyer interest was maintained at the high level which had prevailed during recent months. Imports during the week included sixteen drums from India, two drums from the Dominican Republic, and fifteen cases from Trinidad. Prices were held steady by the active nature of the market, and there were no variations reported during the period under review.

Ocotea Cymbarum — Development of stocks in the American market continued favorably last week as twenty-five drums of oil were imported from Brazil. Buyer interest, at a particularly high level during recent weeks, was unretarded and indications were that the fast pace of the market would continue without material change within the next few months. Prices held steady to firm during the week, and no changes were reported.

Olibanum—The price range for this oil was widened last week as one dealer quoted a price 5c. per pound above the previous outside level. Oil was offered last week at prices ranging from $5 to $6.05, and all prices were reported tending to firm slightly in view of the increased buyer interest which followed on the heels of the price reduction two weeks earlier.

Orange—Buyer interest in all oils was at a high level last week as stocks continued to display improvement, and sizable lots of oil were available on spot. Domestic oils were moving particularly well, and some gains were noted in imported oils. Imports during the week were limited to three drums of bitter orange oil from the Dominican Republic. All prices were steady and without change.

Palmarosa—Trading throughout this section of the market was dull last week as stocks were tight, and buyer interest was limited by the inability to obtain any quantities of oil. Prices were firm, and no changes were reported. Imports during the week totaled ten pots from India.

Patchouli — Stocks continued their gradual development last week as twenty-two cases were imported from Singapore, and four cases arrived from Penang. Prices were generally easier in view of the definite improvement in the supply position of the oil,

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and buyers were beginning to make active inquiry on spot after their period of waiting for lowered prices. There were no price changes during the week, and the oil was offered in a range from $48 to $98 per pound.

Petitgrain—Prices for Paraguayan oil were reduced 10c. per pound on the inside last week, as improved stocks helped to ease the market. Oil was offered in a range from $3.50 to $4.75 per pound, and buyers continued to make frequent inquiry on spot. Some contract orders were reported to have entered the market, but primary interest was directed toward oil for immediate delivery. Imports during the period under review totaled 138 drums from Uruguay.

Pimento Leaf—Only mild buyer interest was apparent in the market last week as trading was limited and there were no developments of particular importance. Stocks were reasonably good, and imports during the week amounted to two drums of oil from Jamaica. Prices were barely held steady in the quiet market, and there were no variations reported.

Rosemary—Quotations for Spanish USP oil were reduced 5c. per pound on the inside last week, establishing a price range from $1.40 to $1.75 per pound. Improvements continued to be noted in stocks available in the American market, and buyer interest was fairly well maintained. There were no imports reported during the period under review.

Sandalwood—Stocks of oil in this market continued tight last week although it was felt in some quarters that there would be an improvement in the import situation in the near future. Buyers evinced an active interest in all spot offerings, and the few lots available moved rapidly into consumer channels. Prices held firm and there were no reported changes. Imports during the period under review totaled three drums from Australia.

Savin—The price range for this oil was widened last week when one dealer advanced prices $1 per pound on the outside. Oil was offered in some quarters of the market as low as $6.25 per pound, and prices ranged upward to $17.00 per pound. There were no imports noted during the week.

Vetiver—Bourbon oil continued in particularly tight supply last week, forcing an advance of prices of $1 per pound on the inside. The range resulting from the change extended from $35 to $42.50 per pound. Primary interest in the market was directed to Haitian oil which was more readily available than Bourbon, and it was reported that fairly large lots of that oil were moving regularly. There were no imports of either type of oil during the period under review.

Wormseed—Prices for this oil were reduced 5c. per pound on the inside last week, establishing a range from $5.55 to $6.75 per pound. Interest in this oil had narrowed during recent weeks, and the reduction was the first price variation noted since prices rose sharply following the removal of price ceilings on domestic essential oils.

Ylang-ylang—Quotations for oil of ylang-ylang, second, were reduced $1 per pound on the inside last week, establishing a range of $8.50 to $14 per pound for that type of oil. There were no variations noted in the other types, although it was felt that prices would ease in view of the improved outlook for future supply from the Philippine Islands. There were no imports noted during the period under review.

Aromatic Chemicals

Reports from the industry last week indicated that the long road back to normal production was being traveled at a slightly faster pace, but some barriers to industry-wide relief blocked the way, making advances erratic. Most heartening to manufacturing circles was the fact that raw materials were gradually becoming more readily available, and that prices for these items were easier. Most discouraging of the barriers was the continued shortages of containers of all kinds. Steel drums were at a premium throughout the trade last week, and all indications pointed to continuation of this problem for at least six months.

The steadily dropping prices in the essential oil market spelled consider-

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able relief to the aromatic chemicals producers who use the oils as basic materials in their plants, and it was expected that reflection of these lower costs would be evident in the prices for derivatives in the not too distant future. The dropping prices of anise oil had already exerted a definite influence on the prices of NF anethol which was quoted last week at 80c. per pound in 400-pound drums, a price 60c. per pound lower than that which had been in effect. Prices for NF anethol in other containers were as follows:—50-pound, 85c. per pound; 25-pound, 86c.; 5-pound, 95c.; and 1-pound, $1.20.

Container problems troubled the producers of aromatic chemicals at both ends of the production line. Suppliers of basic materials were unable to obtain cylinders for the shipping of materials, and chemical producers were troubled with the problem of transporting chemicals to consumers in steel drums. Many producers were shipping material on a returnable drum basis, with the warning to consumers that if drums were not returned it would be impossible to fill future orders.

Activity in the market was not particularly brisk last week and had fallen off considerably from the peak of last year. Buying was definitely more conservative, and the nature of the market was such that the trend in prices in the future could be either way.

Cosmetics Tests Described to ACS

Many new cosmetic products are now tried out on rabbits, rats and guinea pigs to determine their physiological effects before they are placed on the market, Harry Hilfer of Lucien Lelong, Inc., New York, reported at technical conference of the Chicago section of the American Chemical Society held at Northwestern University.

This scientific approach to cosmetic manufacture has been adopted by some companies, which mantain well equipped biochemical laboratories for the purpose, so that they can guard against any danger that a product may cause toxic or allergic reactions, Mr. Hilfer explained. He spoke on "The Chemist in the Cosmetic Industry" at a program on practical applications of chemical education which was attended by many college and advanced high school students.

The need for chemical research of all types in the cosmetic industry has been greatly increased in recent years, Mr. Hilfer said, because women have become more exacting in their cosmetic requirements and also because a vast new field has been opened up by the introduction of many synthetic materials, such as cleansing agents, which make possible a great diversity of new creams, lotions and other preparations It is the chemist's responsibility, he stated, to find out which materials are best suited for specific functions.

College courses in cosmetics, to provide chemists with the broad fundamental training needed in the industry, were suggested by Mr. Hilfer, who said such training is as necessary a tool to the cosmetic chemist as a hammer is to a carpenter.

The scope of the chemist's duties in the cosmetic industry is so wide, Mr. Hilfer asserted, that he needs to be something of a chemical engineer and a stylist, as well, because he is responsible for a product from the time work is started in the laboratory until it is packaged and shipped to the sales outlets. His responsibility even goes beyond the sale, Mr. Hilfer noted, since he must be prepared to answer complaints.

Diverse raw materials, such as talc, oils and waxes, color pigments, and essential oils, are used, he pointed out, and the products manufactured range from creams, lotions. face powders and perfumes to lipstick, nail lacquer, hair dyes and permanent waving preparations.

Cosmetic manufacturers are now turning to synthesis of their own dyestuffs, Mr. Hilfer added, because companies making colors for other industries often are not interested in a research program for the benefit of the cosmetic industry with its relatively small color consumption.

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Petroleum Derivatives

Buyer interest in this market was generally at a high level with good call being voiced for practically all derivatives except for some of the lighter fraction materials. Supplies for most materials were at an adequate level except for waxes and petrolatums, which continued to be the victims of scarce raw materials. Prices were steady with reports of changes held to a minimum. Supplies of No. 2 fuel oil were declared to be in very good supply along the East Coast and in the Gulf areas. Producers were attempting to move large supplies of this heating fuel as the end of the heating season was nearing and they were desirable of keeping inventories at a low level. Reduced prices for this fuel were reported in an attempt to help relieve the over abundant supply situation.

The daily average crude oil production for the week ended January 18 was estimated at 4,623,950 barrels by the American Petroleum Institute. This constituted an increase of 93,050 barrels over the average production of the previous week. An average daily production rate of 4,629,200 barrels was estimated for the four weeks ended January 18.

Supplies of natural gasoline were generally regarded as tight in most sections of the country as were both kerosene and light and heavy oil stocks.

Solvents and Diluents

Aromatic Naphthas—Good consumer interest continued in this market as producers reported the majority of these naphtha materials to be in good supply. Shipments against previously placed orders as well as recent consumer calls were good. Prices continued in a firm position and no changes were reported.

Cleaner's Naphtha — Retaining its dull attitude, the trade in this market was restricted to seasonal demands and previously contracted orders. Routine trading was adequately cared for by stocks that were declared to be in adequate supply in most parts of the country. No fear of future shortages in the event that trading became active was voiced in this field. Prices remained firm at their previous levels.

Lacquer Diluent—Activity in this market strengthened last week as good call was noted for both spot and contract shipments of this material. The supply situation was declared to be in good standing with producers experiencing no difficulty in supplying consumers in all corners of the market. Prices were firm and unchanged.

Rubber Solvent—Activity was reported very high in this market last week as undiminished good consumer interest was noted by most producers. In most cases, adequate supplies were on hand to fill these needs, and shipments were reported to be fairly prompt in movement. Increased activity held prices at a firm level.

Stoddard Solvent—Supplies of this material were stated to be in fairly good supply but heavy demand and good buyer interest caused a strain on these stocks which resulted in shipments running behind in schedule. However, moderately large deliveries were being made against both spot and contract orders. Firm prices and no changes were reported during the period under review.

V.M.&P. Naphtha — An upward swing with regard to activity continued to be noted in this market as buyer interest was reported to be improving. Call for both spot and contract material was reported and supplies were declared to be available in sufficient quantities to meet the increased demand. Steady prices were in line with the firm market as no changes were witnessed.

Markets at Other Centers

Chicago.—Trading in this section of the market was maintained at a high rate, and fairly large shipments of these materials were sent to consumers.

Aromatic Solvents — Active trading, prices holding steady.

Cleaner's Naphtha—Fair call, prices unchanged.

Lacquer Diluent—Moderate interest, firm prices.

Mineral Spirits—Fair demand, price structure steady.

Stoddard Solvent — Good demand, strong quotations.

V. M. & P. Naphtha—Increased activity, steady prices.

Los Angeles — Inquiry for petroleum solvents and diluents was good last week. Liberal supplies continued to be reported.

Market Trends

Prices Advanced

None

Prices Reduced

None

(For Current Prices see Page 9)

Crude Oil Stocks

Stocks of domestic and foreign crude petroleum at the close of the week ended January 18 totaled 221,144,000 barrels, according to the Bureau of Mines. Compared with the total of 220,553,000 barrels for the preceding week, this represented an increase of 591,000 barrels, comprising an increase of 605,000 barrels in stocks of domestic crude and a decrease of 14,000 barrels in stocks of foreign crude.

Lighter Fractions

Butane—Supplies were reported to be improving slightly with a subsequent easing of the usual seasonal shortage resulting. Demand and buyer interest was high and the market was described as active. Shipments were being made against all orders and delivery was termed prompt in most centers. Firming prices suffered no change during the period under review.

Heptane—A noted improvement in buyer interest and call was reported last week and sufficient supplies were on hand to care for the increased needs. Deliveries were prompt and shipments were being made against all orders. No change in price was reported.

Hexane—Activity was regarded as moderate in this corner of the market with fair call being supported by sufficient quantities of at hand supplies. Shipments were well maintained against both previous and recently placed orders. With the approaching of a very firm position in the market, prices were strong and no changes were reported.

Pentanes—Stocks were termed adequate in this market but a quiet atmosphere prevailed with the greatest amount of activity constituting the movement of stocks against previously placed contracts. Supplies were declared to be sufficient to care for any moderate increase in activity that might be forthcoming. Although an easing in the market was noted, no price changes were reported.

Propane—Steady flow of this material to the pipelines of large industrial users was reported last week. Supplies were stated to be in good quantity with producers experiencing no difficulty in meeting the good demand. Firm prices were not affected by price changes during the period under review.

Markets at Other Centers

Chicago.—Buyer interest in this market was regarded as improved. Materials were generally offered in limited lots.

Butane—Extensive activity, prices unchanged.

Heptane—Fair requests, price changes absent.

Hexane—Good interest, market firm.

Octane—Call good, steady prices.

Pentanes — Moderate interest, firm quotations.

Propane—Fair call, prices holding.

Los Angeles—The demand for liquefied petroleum gases continued to be good. Supplies were regarded as plentiful.

Petrolatums and Waxes

Microcrystalline Waxes — Though good demand for these materials was noted, the amount of trading actually accomplished was limited by the small amount of supplies available as producers declared that shortages continued to exist. Manufacturers were primarily engaged in making deliveries against previously placed orders with but a few new requests being filled. Steady prices were subject to no change during the period under review.

Paraffin—Deliveries of paraffin wax were limited by short supplies last week and consumer interest was reported to be quiet in view of the fact that very few supplies were available. Production facilities were being worked at a fast pace in an attempt to satisfy some of the previously placed orders with moderately large shipments. What spot stocks were available were immediately diverted into consumer channels. Prices were firm with no changes being reported.

Markets at Other Centers

Chicago—Good consumer interest and heavy demand was noted but materials were generally in scarce supply. Price structure was holding up well.

Paraffin — Extensive interest, firm prices.

Petrolatums — Active trading, no change in price structure.

White Mineral Oils—Inquiry improved, steady quotations.

For Late Market Developments, See Page 4

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at 210°F.	40.6	942	3330
Specific gravity 60°/60°F.	.831	.881	.894
Refractive index (20/d)	1.465	1.492	1.496
Color, N.P.A.	2	2	3
Pour point (ASTM)°F.	−65	+20	+35
Weight, lbs./U.S. gallon	6.92	7.34	7.44

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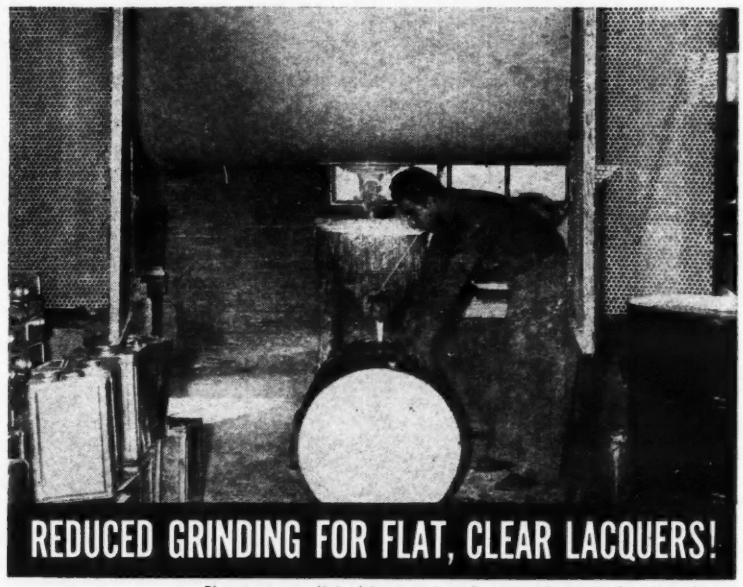

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Undiminished buyer interest in practically all corners of this market was noted last week as producers made ready to meet heavy paint material demands with the coming of Spring. However, scarce supplies remained prevalent, with only some of the lacquer materials reported to be in slightly better supply than the previous week. Producers were striving to maintain prompt deliveries with what supplies were available with the majority of shipments being made against earlier orders.

The continued rising production costs were reflected in the protective coatings market last week when lithopone, zinc oxide and zinc sulphide were advanced. Drum shipments of most of the lacquer materials were advanced ½c. per pound due to the increased costs of drums and the twenty-five percent advance in freight rates since the previous differential was established. Rosin, which had been steadily advancing since export controls were lifted, experienced its first break in the market when prices for grades F through X were reduced 20c. per 100 pounds on last Wednesday.

Preliminary figures indicate that slab zinc production during 1946 was 40,000 tons less than the corresponding production for the previous year. This production loss was due principally to frequent strikes and shortages of labor together with the price control policies that did not take into consideration rising costs and higher world market levels. Higher production during 1947 was expected if labor difficulties could be held to a minimum.

Metallic Lead and Zinc

Lead—Producers were attempting to maintain good deliveries against previously placed orders as the consistent tight supply situation continued. High prices and the lack of labor difficulties tended to improve production, but the heavy demand being voiced for this material made it almost impossible to maintain a balanced supply and demand picture. Supply was reported to be running approximately twenty percent short of demand. The opinion in trade circles was that very little relief would be forthcoming during 1947.

No change in price was reported during the period under review and prices remained at 13c. per pound in New York and between 12.80c. and 12.85c. per pound in St. Louis for the common grade.

Zinc—Prospects of this industry returning to normal during the remainder of the year continue to be voiced in trade circles. However, at the present time, increased demand has resulted in a tight supply situation with supplies running slightly behind call. Producers were attempting to maintain prompt deliveries with most shipments being made against previously placed orders. Total zinc scrap consumption of 19,593 short tons during November was three percent greater than the record high of the previous October, according to the Bureau of Mines.

Prices for prime western remained unchanged at 11c. per pound in New York and 10.50c. per pound in East St. Louis.

Pigments

Litharge—Little change was noted in this market last week as producers experienced difficulty in supplying consumers with adequate supplies since the need for this material was accentuated by the larger paint requirements with the coming of the Spring season. Raw material shortages hampered production with producers attempting to maintain deliveries against previous orders in the face of this shortage. No price changes were reported last week.

Lithopone—This synthetic white pigment was reported to be behind in shipment as heavy demand strained production facilities. Although production was proceeding at a good rate, sustained heavy call ran ahead of available supplies. Announcement of a ½c. per pound price advance for both ordinary and titanated lithopone was made last week. Following are the prices in effect:—ordinary, 20 tons, 5½c. per pound; less than 20 tons, 5¾c. per pound; titanated; 20 tons, 7¼c. per pound; less than 20 tons, 7½ per pound.

Zinc Oxide — This material remained a difficult commodity to obtain as heavy demand readily absorbed production and but few stocks were in surplus. Total zinc oxide produced from zinc-base scrap in November totaled 12,569 tons.

Announcement of a price advance of ½c. per pound for leaded and lead-free zinc oxide was made last week. The following carlot prices are in effect:—Lead-free, 9½c. pound; leaded 5 percent, 9½c. pound.; leaded, 35 percent, 11c. pound; leaded, 50 percent, 11⅝c. pound; French process, green seal, 11¼c. pound; red seal, 10¾c. pound; white seal, 11¾c. pound; U.S.P., 12¾c. pound.

Zinc Sulphide—Steady request for this material was met by short supplies, with a firm market being reported. Pure zinc sulphide was advanced ½c. per pound and was selling for 10c. per pound for twenty-ton lots, and 10¼c. per pound for less than twenty-ton lots. Barium, calcium and magnesium zinc sulphide base pigments were also raised ½c. per pound and were being quoted at 7c. per pound for twenty-ton lots and 7¼c. per pound for less than twenty-ton lots.

Dry and Chemical Colors

Blues—The shortage of sodium bichromate generally attributed to the scarce supply of alkali materials, resulted in the short supply of dry alkali blue and blue soda prussiate. These materials entered into the category of scarce materials last year as a result of heavy demand and lost production due to work stoppages. Although present fair production is attempting to alleviate this condition, increased demand has made it difficult to make any appreciable headway. No price changes for these materials were reported last week.

Chrome Colors—The continuation of the lead chemical shortage allowed no chance to improve the chrome color scarcity by increased production. Heavy call and buyer interest for the various chrome colors resulted only in causing the market to assume a firmer condition. Fair but not total shipments were being made against contract orders. Prices were firm and unchanged during the period under review.

Carbon Black—During the second half of 1946, demand for carbon black was dependent on production rates at that time since previous surplus stocks had been absorbed by increased demand. The supply situation has since steadily declined as a result of a progressively increased demand which has made it practically impossible to supply all the required materials. It is expected that the production of tires, which absorbs a large amount of carbon black, will ease in a few months, thereby allowing greater amounts of this material to be used in the production of paints and printing inks.

Iron Oxides—Undiminished high demand for almost all of the iron oxide colors has created a tight supply situation with relatively few stocks available to consumers in comparison with the amounts desired. Imports were at a low level, with but eight casks reported to have reached here from England during the past week.

For Late Market Developments, See Page 4

Market Trends

Prices Advanced

Lithopone, ordinary, ½c. per lb.
titanated, ½c. per lb.
Nepheline syenite, $1.75 per ton.
Zinc sulphide, pure, ½c. per lb.
barium pigment, ½c. per lb.
calcium pigment, ½c. per lb.
magnesium pigment, ½c. per lb.
Zinc oxide, lead-free, ½c. per lb.
leaded, ½c. per lb.
U.S.P., ½c. per lb.

Prices Reduced

Rosin, grades F through X, 20c. per 100 lbs.

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
172.0	170.8	169.6	140.2

(For Current Prices see Page 9)

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A. V. 3-5
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CROWN OIL PRODUCTS CORP. 2-14 Forty-Ninth Ave. Long Island City, N.Y.

Sienna Earth—Moderate demand for this earth color readily absorbed what supplies were available with little hope held for the procurement of larger supplies in the near future. A total of 110 barrels of this color material was received from Italy last week.

Driers and Flatteners

Naphthenates—There was no diminishing of buyer interest in this market last week and naphthenate producers were in a favorable position to supply all requests as good production continued unabated. Deliveries were being promptly made against previously placed orders as well as new requests. Good call, supplemented by the availability of adequate stocks, placed this market in an enviable position with regard to so many other less fortunate protective coating markets. No diminishing of demand could be seen in the near future. This firm market was unaffected by any price changing during the period under review.

Resinates—Moderate demand for fused resinate stocks continued to be met with adequate supplies as good production remained unchanged. Precipitated resinate stocks were in a slightly less favorable position as demand ran somewhat ahead of the available supply. However, producers were attempting to maintain good shipments against orders previously placed. There were no price changes reported for these commodities during the period under review.

Stearates—Retaining its dull outlook, little if no change was witnessed last week. Production was held to a very small percentage of its normal output because of the continued acute shortage of stearic acid. Heavy demand, voiced in the many sections of the industry, was unable to be completely satisfied with the supplies that were being partially distributed as a result of this shortage. Increased production continued to depend on when the stearic acid situation will improve. Prices remained firm and unchanged during the period under review.

Fillers and Extenders

Barytes—High production of this commodity continued to be well maintained with a desirable balance between supply and demand resulting. The absence of labor difficulties enabled producers to bring adequate quantities out of the mines and to fill the large requirements of the paint and oil drilling industries. Demand retained its high level, consistent for so many months during and after the war. Continuation of present production rates should enable producers to care for any increased needs that might arise during the remainder of the year.

Gypsum—Increased gypsum production, which showed such a rapid advance since the war, continued at a high level and was finding a ready market as good demand was maintained. Increased facilities for the production of gypsum board and plaster were being erected throughout the country. The continued good demand was attributed to the present housing boom.

Whiting—This material, used in the making of putty and as an extender in paints, was similar to other paint materials at this time of the year in respect to the heavy demand that was voiced. Available materials were quickly absorbed in consumer channels. However, a noticeable lack of imports made it difficult to maintain a balanced supply situation.

Lacquer Materials

Announcement of a ½c. per pound advance for the below named lacquer materials when shipped in drums was made by one producer last week. This advance was the result of increased costs due to the higher price of drums since the old differential was set up, and also the result of the twenty-five percent increase in freight charges.

Butanol—The short supply situation in this market was declared to be easing as good production enabled producers to draw closer to a suitable balance between supply and demand. Buyer interest remained high with an active market resulting.

Butyl Acetate—Difficulty in obtaining adequate supplies of acetic acid retarded production of this material as a very tight supply situation was reported. Call was regarded as good but producers were faced with the problem of supplying previous contracts with the materials at hand.

Dibutyl Phthlate—No improvement in the supply picture of this commodity was noted last week with short supplies resulting from the lack of necessary raw materials. Some producers have cancelled production until the situation has clarified. Moderate demand was reported to be in evidence.

Ethyl Acetate—Slightly better production of this material was noted last week as increased supplies became available. However, the acetic acid shortage continues to limit production to an appreciable extent. Good buyer interest with moderate call was reported for this material.

Varnish Gums

Gums—There were no startling developments in this market last week but it was held certain that gradual improvements were being effected as time passed. The job of rebuilding trade routes and production facilities after the war has proved to be tremendous but the eventual restoration and the easing of trade barriers was expected in the future. Imports for

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(Successor to Ferro Drier & Chemical Company)
Union Commerce Bldg., Cleveland 14, O.

the past week amounted to 277 bags of copal from Manila, 2,450 bags and 872 cases of dammar from Singapore.

Shellac—The market in New York was reported to have become slightly firmer last week after a period of diminished buyer interest. Consumers, however, continued to scrutinize the Calcutta situation in the hopes that a decline in prices would result with the harvesting of the Spring crop. Meanwhile, the situation in India remained very much the same with labor difficulties and civil unrest hampering the transportation of what stocks there were to the seaports. Few stocks were stated to be available in Calcutta which could probably be the reason why no imports were reported last week.

Naval Stores

Rosin—Distributors of this commodity continued to be swamped with orders for export rosin from foreign buyers. However, the sudden and expected heavy demand following decontrol has exhausted practically all spot stocks and it was held unlikely that any further appreciable supplies would be available before the Spring crop is brought in. Some fear of the possibility of experiencing runaway prices in this market was drawing much adverse criticism from members of the industry. The first break in the market since export controls were lifted was witnessed last Wednesday when prices on grades F through X were reduced 20c. per hundred pounds.

Savannah, Jan. 30.—Following is a record of the rosin market for the week:—

	Price per unit—Low of range quoted				
	Fri.	Mon.	Tues.	Wed.	Thurs.
B	$8.25	$8.25	$8.25	$8.25	$8.75
D	8.55	8.55	8.55	8.55	8.55
E	9.00	9.00	9.00	8.90	8.90
F	9.75	9.75	9.75	9.55	9.55
G	9.75	9.75	9.75	9.55	9.55
H	9.75	9.75	9.75	9.55	9.55
I	9.75	9.75	9.75	9.55	9.55
K	9.75	9.75	9.75	9.55	9.55
M	9.75	9.75	9.75	9.55	9.55
N	9.75	9.75	9.75	9.55	9.55
WG	9.75	9.75	9.75	9.55	9.55
WW	9.75	9.75	9.75	9.55	9.55
X	9.75	9.75	9.75	9.55	9.55
	Drums				
Sales	34	61	...	118	...
Receipts	...	405	644	76	368
Shipments	...	40	...	...	192
Stocks	10,731	11,096	11,740	11,816	11,992

Turpentine — Diminishing interest for this material was noted again last week with market activity held to a minimum. Small quantities were reported to have been sold but little demand for any sizeable amounts was noted. The feeling among trade circles was that business would pick up as soon as the Spring painting season arrived. Inquiries for export turpentine were frequent but the necessary export licenses were slow in coming through.

Savannah, Jan. 30.—Following is a record of the turpentine market for the week:—

	Bulk gallons	Barrels		
	Sales	Receipts	Shipments	On hand
Friday	$1.75	3,350	9	167	2,902
Monday	1.25	...	...	98	2,804
Tuesday	1.25	...	...	83	2,731
Wednesday	1.25	...	...	...	2,721
Thursday	1.25	...	...	...	2,721

Glues and Binders

Casein—No change was reported in the foreign casein situation with the Argentine export policy remaining in a confused state. The question of what would be a satisfactory price for the Argentine government to pay its local farmers was not settled and this problem retarded the amount of casein that was brought out into the open. The scarce shipments that have been spasmodically received in this country were reported to have been contracted for some months ago. In the meantime, American production of casein has soared to post-war high levels and estimated production for this year was expected to climb far above last year's record high. Chief factor for this was stated to be the more favorable prices being paid for casein which brought this commodity in line with the milk products that had been formerly absorbing the majority of raw materials necessary for casein production.

Imports reported to have reached American shores from Argentina during the period under review amounted to 4,000 bags.

SICO

Ultramarine Blue
Alkali Blue Toner
Dyestuffs
Methyl Violet Toners
Blanc Fixe
Iron Blues
Para Toners
Toluidine Toners
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Permanent Orange Toners
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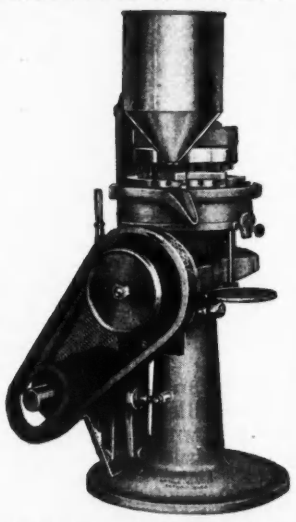

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Plastics Bibliography Available from OTS

OPD Washington Bureau

A comprehensive bibliography entitled "Plastics," comprising the enemy and American plastics reports now available from the Office of Technical Services, Department of Commerce, was issued last week.

Over 300 titles of reports issued up to Jan. 10, 1947, are listed. Many of the documents were acquired from the research files of I. G. Farbenindustrie by American investigators in Germany. Others are evaluations of American-developed processes and products.

The reports, which cover every phase of the plastic industry from raw materials to uses for finished products, are classified in the bibliography as to contents, such as manufacture, properties, tests, castings, cementing, protective coatings, fungus resistance, molding, laminating, plasticizers, and uses.

Mimeographed copies of the bibliography on "Plastics" will be sent free of charge upon written request to the Reference Section of the Office of Technical Services, Department of Commerce, Washington 25, D. C.

The bibliography lists the complete title, file number and price of each available report and gives the volume and page number in the OTS "Bibliography of Scientific and Industrial Reports" where an abstract may be found.

Printing Ink Courses Set for Feb. 7-May 23

A course in printing ink technology, under the direction of Dr. William S. Hodgkins, of the research department of Sun Chemical Corporation, New York, will be presented at New York University, February 7 to May 23.

Pitts. Plate Glass Elects Hazard to Board

Leland Hazard, vice-president of the Pittsburgh Plate Glass Company since 1944, has been elected to the board of directors, succeeding Robert L. Clause, recently resigned.

Pigments Manufacturing In Germany Described

OPD Washington Bureau

Germany's most important chemical processes for the manufacture of inorganic pigments are fully described in a report now on sale by the Office of Technical Services, Department of Commerce. Many of the processes for iron oxide, chromium and cadmium pigments developed by I. G. Farbenindustrie have unusual features of interest to American industry, the report states.

The report covers the processes used by 95 percent of the German pigment producers. Each pigment with all production details is described separately. In addition to three sections devoted to iron oxide, chromium and cadmium pigments, the report describes such special-purpose products as zinc luminescent pigments, an iron oxide used for the plastic tape in the magnetophone sound reproduction system, "Silcar" (silicon carbide) and many other pigments.

Iron oxide pigments almost entirely replaced red lead in German wartime industrial paints. At the peak, the Uerdinfen plant of Farbenindustrie produced 3,000 tons per month through the reduction of nitrobenzene to aniline. Other outstanding developments found at Oerdingen include processes for making chromium pigments from chromium hydrate at pressures of 5,000 pounds per square inch and cadmium pigments from plant residues. Although, in general, chemical processes were more highly developed than equipment; a revolving plate furnace used in making chromium and cadmium pigments has an unusual design.

The report contains many diagrams and flow sheets, the names of the plants visited and personnel interviewed by the investigator and a list of fifty-three pigment samples which were sent to the U. S. Bureau of Standards for testing.

Orders for the report, "German Production of Some of the More Important Inorganic Pigments" (PB-40350; microfilm, $2; photostat, $6; eighty-two pages) should be addressed to the Office of Technical Services, Department of Commerce, Washington 25, D. C., and should be accompanied by check or money order, payable to the Treasurer of the United States.

TITANOX . . . *the brightest name in titanium pigments*

TITANOX brightness makes your paint welcome

An open gate, a wide door, an inviting portico—these create an impression of hospitality. And it's a lasting impression when you use TITANOX pigments in making your paints.

For greater opacity, whiteness and brightness these titanium dioxide pigments are made in various grades to meet your specific requirements.

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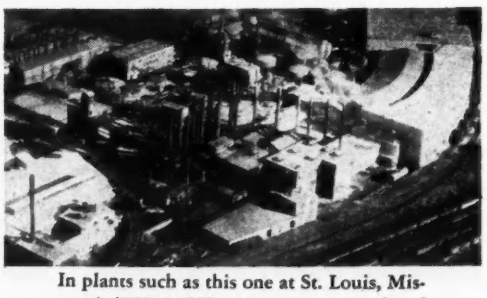

In plants such as this one at St. Louis, Missouri, TITANOX pigments are produced for use in exterior and interior finishes.

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Du Pont Names Two To Plastics Dept.

H. W. Paine, director of the chemical division laboratory of the plastics department of E. I. du Pont de Nemours & Co., has announced that Dr. Chester K. Rosenbaum has been appointed research manager in charge of the semiworks process development and product development sections, and that Edward B. Cooper will become research manager in charge of the physics and analytical sections.

Dr. Rosenbaum joined the company's Belle, W. Va., works in 1930 and transferred to the research division of the plastics department in 1943, where he served as supervisor of the product development section until his present appointment.

Mr. Cooper joined the plastics research staff in 1942 as head of the physics section. Prior to coming with du Pont he taught science in the public schools of Maine, Vermont, New Hampshire and Massachusetts.

Porter Paint Elects Chairman of Board

Harry B. Porter, president of the Porter Paint Company, Louisville, Ky., since he founded the firm in 1922, has been elected to the newly created post of chairman of the board. Paul T. Eitel, vice-president, was elected president.

Mileti and Bryan Form Louisville Paint Firm

Otto Mileti and Wiley B. Bryan, who resigned December 27 as officials of the Charles R. Long, Jr., Company, paint manufacturer, Louisville, Ky., when that firm was sold to the American-Marietta Company, Chicago, have formed the Mileti Company in Louisville for the manufacture of paints, varnish and lacquers.

Trade Briefs

Alfred D. McKelvy, manufacturer of men's toiletries, New York, has added Lawrence E. Horner and Roger K. Taylor to the sales staff.

Monsanto Chemical Company's plastics division, St. Louis, has under construction a plant for the production of woodflour, which is expected to be in production by May 1.

Robert J. Bonnie, president of the Kentucky Color & Chemical Company, Louisville, Ky., has been reelected as vice-president of the Louisville Board of Trade.

Andy H. Solberg has been appointed St. Louis district manager for the George H. Morrill division of the General Printing Ink division of Sun Chemical Corporation, New York.

Aluminum Company of America, Pittsburgh, has offered to exchange shares of the firm's new $3.75 cumulative preferred issue for outstanding 6 percent shares, at the ratio of 1.1 shares of the new stock for each share of the old, plus a dividend adjustment for each exchanged 6 percent share.

German Casein Process Described in Report

Methods for spray-drying milk in Germany differ markedly from American practices, according to a report now on sale by the Office of Technical Services, Department of Commerce. Instead of a high pressure milk nozzle or certrifugal atomizer, a high velocity air jet with very hot air (572 to 662 degrees Fahrenheit) is used.

The report, prepared by R. L. Perry for OTS' Technical Industrial Intelligence Divison, describes the Nestle plant at Kappeln, Germany. Evaporated milk and spray dried skim milk powder were the firm's main products.

Orders for the report (PB-52820; Deutsche A.G. fuer Nestle Erzeugnis; photostat, $1; microfilm, $1; 9 pages; dated July, 1945) should be addressed to the Office of Technical Services, Department of Commerce, Washington 25, D. C., and should be accompanied by check or money order, payable to the Treasurer of the United States.

G.E. Chemical Dept. Splits Plastics Division

Organization changes in the General Electric Chemical Department, establishing the plastics division and the compound division in place of the former plastics divisions, have been announced by Dr. Zay Jeffries, vice-president and general manager of the department. Simultaneously, Dr. Jeffries announced the appointments of George P. Lehmann as manager of the plastics division and John L. McMurphy as manager of the compound division. Both men will make their headquarters in Pittsfield.

Mr. Lehmann's appointment makes him responsible for operations involving the molding and laminating of plastics materials at Coshocton, Ohio; Ft. Wayne, Ind.; Meriden, Conn.; Pittsfield, Mass.; Scranton, Pa., and Taunton, Mass. Mr. McMurphy will be responsible for the operation of phenol and compound facilities at Pittsfield.

Amer.-Marietta Names Gately Traffic Manager

Arthur L. Gately has been appointed traffic manager of the American-Marietta Company, paint manufacturer, Chicago, and will supervise traffic matters for the company's fifteen production divisions in the United States and Canada. Mr. Gately, who has been with the firm for twenty-two years, formerly was assistant superintendent of the Kankakee, Ill., division.

Stein, Hall Assigns Shoals to Glue Post

Stein, Hall & Co., importer and manufacturer of industrial raw materials, New York, has named Roger Shoals as manager of the liquid glue section. He previously was associated with the Victor G. Bloede Company, a subsidiary of the LePages, Inc., as representative in the southern territory.

Bklyn. Poly Offers New Plastics Course

Under a new program, students in the chemical engineering department at the Polytechnic Institute of Brooklyn will be allowed to take a group option in plastic technology in their junior and senior years. Among the courses being given under the specialization option are "Organic Chemistry of Plastics," "Plastics Technology Laboratory," "Plastics Technology," and "Plastic Mold and Product Design"

Trade Briefs

North American Phosphate Company will construct a plant in Louisville, Ky.

India Paint & Lacquer Company will construct a $12,000 factory building in Lynwood, Calif.

Sunshine Plating Works has been organized in Santa Monica, Calif., by R. E. Olson, D. M. Hoffman and W. R. Edwards.

Hercules Powder Company, Wilmington, Del., is issuing a new technical book on "Parlon," the company's chlorinated rubber product.

Rubberset Company, Newark, N. J., has elected Elwood M. Jones, vice-president in charge of sales, to the board of directors.

Gulf Oil Corporation has started crude production from the Devonian line in the Goldsmith pool, northern Ector county, West Texas.

Sun Oil Company has accepted delivery from the Maritime Commission of an 18,000-deadweight-ton tanker operated by Sun during the war.

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Properties of 2556 Glyptal

Solids content	79–81%
Solvent	Xylol
Viscosity	Z-Z2
Color (Hellige)	3–5
Acid No. of solution	6–8
Pounds per gallon	8.9
Aliphatic solvent tolerance	Fair
Pigment compatibility	Excellent
Air dry—setting time	Nondrying
Hardness	Soft
Flexibility	Excellent
Gloss	Excellent
Color retention	Excellent
Water resistance	Excellent
Oil and gasoline resistance	Excellent
Weather resistance	Excellent
Specific gravity (resin)	1.14
Phthalic anhydride (resin)	22%
Rosin or derivatives	None
Phenolic content	None
Oil acids content (resin)	38%
Type of oil	Castor

● If you are searching for a lacquer that combines flexibility with hardness and toughness, 2556 Glyptal alkyd resin may answer your need. Designed for use in nitrocellulose lacquers and urea resin finishes, 2556 Glyptal is recommended for textiles, paper, leather, metal foil, automotive and aircraft lacquers and other uses which require this combination of properties.

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M.W.	204.7	232.8
B.P. at 2mm	113-9°C	145-50°C
M.P.	-14.3°C	0.0°C
D^{20}_4	0.8660	0.8623
$N^{20}D$	1.4445	1.4472
Acetyl Value	nil	nil
Color	water white	water white

Available in experimental and development quantities.

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METHYL "CELLOSOLVE"* STEARATE

METHYL "CELLOSOLVE" STEARATE, a synthetic ester, is used as a plasticizer for cellulose derivative, paper coatings and wax finishes. The following data may suggest other uses.

Chemical formula	$C_{17}H_{35}COOCH_2CH_2OCH_3$
Molecular weight	342
Color (platinum cobalt scale)	175
Melting point	22° to 24°C
Flash point	378°F
Acidity	less than .6 mg. KOH per gram ester
Specific gravity	.888 at 25°/25°C
Iodine value	2 max.

Low volatility

* Trade mark of C&CC.

BUTYL STEARATE

BUTYL STEARATE, a synthetic ester, is used as a plasticizer for cellulose and polyvinyl derivatives, also for cosmetics, paper coatings and wax finishes. The following data may suggest other uses.

Chemical formula	$C_{17}H_{35}COOC_4H_9$
Molecular weight	341
Color (platinum cobalt scale)	130
Melting point	19° to 20°C
Flash point	358°F
Acidity	less than .6 mg. KOH per gram ester
Saponication number,	171-179 mg. KOH per gram ester
Specific gravity	.85-.86 at 20°/20°C
Iodine value	2 max.

Low volatility

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Lead, Zinc Pigments Sales for 1943-46

Certain lead and zinc pigments and zinc salts sold* by domestic manufacturers in the United States for the period covering 1943-1946, according to the Bureau of Mines, follows:—

	1943	1944	1945	1946
Basic lead sulphate† or sublimed lead—				
White	4,752	5,253	2,235‡	
Blue	845	1,080	1,660‡	5,100
Red lead	53,378	53,972	47,381	31,600
Orange mineral	79	284	230	‡
Litharge	113,091	138,203	138,798	130,800
White lead—				
Dry	39,525	46,466	27,382	36,600
In oil¶	36,642	39,200	23,788	25,300
Zinc oxide	143,402	140,675	127,955	154,700
Leaded zinc oxide	43,828	64,395	62,598	66,000
Lithopone	135,723	142,905	136,161	145,600
Zinc chloride, 50° B.	53,707	57,545	56,230	57,400
Zinc sulphate	15,649	17,156	20,854	24,300

* Designated as shipments in 1945 and 1946.
† Exclusive of basic lead sulphate used for the manufacture of leaded zinc oxide which is included in tonnages shown for that pigment.
‡ Estimate included under red lead.
¶ Weight of white lead only.

Blackstrap Molasses Price Controls Lifted

OPD Washington Bureau

Price controls over domestic and imported blackstrap and beet final molasses, and allocation controls over the domestic materials were removed January 28, according to John R. Steelman, assistant to the President.

Allocation controls over imported blackstrap molasses will remain in effect through February 28, or until five tanker loads already scheduled for delivery during that month have been sold, Mr. Steelman said. Two of the five tanker loads have been allocated to producers of cattle feed and the remaining three to producers of ethyl and butyl alcohol.

The Reconstruction Finance Corporation will continue to purchase all the exportable molasses produced in Cuba under terms of the contract which this government negotiated with the Cuban government. The RFC will resell molasses to United States bidders in tanker lots, f.o.b. Cuban ports after March 1. It is expected that the RFC will be ready to announce by February 15 the terms under which it will receive bids for March shipments of molasses. Commitments to other nations will be fulfilled at the price which the RFC pays for molasses.

Mr. Steelman explained that abundant supplies of corn, both for production of industrial alcohol and cattle feed, have made it possible to remove the stringent wartime allocation controls.

Monsanto Foreign Head H.M. Hodges Retires

The retirement of Herbert M. Hodges, director of the foreign department of Monsanto Chemical Company, St. Louis, from December, 1941, until October, 1945, and since then overseas director of the company, has been announced.

Mr. Hodges, a native of Gloucestershire, England, was a foreign representative of Monsanto Chemical and other companies in the Far East from 1919 until 1936, when he undertook travel and sales development for Monsanto Chemical on a free lance basis. He became foreign director of the company a few days after Pearl Harbor.

Fritz Medal Awarded To Dr. Lewis Chubb

Dr. Lewis W. Chubb, director of the Westinghouse Research Laboratories in East Pittsburgh, has received the John Fritz Medal for notable scientific achievement in 1946.

The award, first made in 1902, is presented jointly each year by the American Institute of Electrical Engineers, the American Society of Civil Engineers and the American Society of Mechanical Engineers.

Glidden Co. Names Pulliam Vice-President

L. Y. Pulliam has been made a vice-president of the Glidden Company, Cleveland. Mr. Pulliam will have general direction of the Durkee Famous Foods Division of the Glidden Company, succeeding the later R. W. Levenhagen, senior vice-president and chairman of the executive committee, who died recently.

Hoover Medal Won By Dr. Vannevar Bush

Dr. Vannevar Bush, chairman of the newly-created Joint Research and Development Board of the Army and Navy, received last week the Hoover Medal for 1946 "for outstanding public service." The presentation was made at the Winter meeting of the American Institute of Electrical Engineers.

Corn Products Elects Brady Vice-President

William T. Brady, formerly assistant to the president of the Corn Products Refining Company, has been elected vice-president of the firm. For many years he was an executive in the foreign and domestic manufacturing departments.

E.F. Beale Retires

—Continued from page 5

development departments of the lead company.

Mr. Beale had been a director of National Lead since its organization in 1891, and served as vice-president from 1922 until 1938. His association with the Lewis company began in 1875 and he became a partner of the concern and was elected secretary five years later. He became president of the Lewis firm in 1889 and chairman of the board in 1938.

Mr. Merson, who joined National Lead in 1923, became chairman of the oxide sales committee in 1939 and was given the additional duties of manager of the newly formed sales development department in 1946. During the war he was vice-president and general manager of the Magnesium Reduction Company, which built and operated a government-owned magnesium plant at Luckey, Ohio.

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Oils, Fats and Waxes

While trading in oils and fats slackened appreciably last week, in comparison with the week previous, consuming inquiry continued keen for most oils but business was restricted because of the lack of supplies. Refiners continued to bid for crude corn, cottonseed and peanut oils at prevailing record levels, but offerings were practically nil. Producers of soybean oil were sold up and had little oil to offer and available stocks were held by resellers. Coconut oil was scarce and firm for prompt delivery while futures were easy and could have been shaded on a firm bid. Bleachable summer yellow cottonseed oil futures reached new highs and the March delivery was sold at 35c., an all time high. Lard was firmer and scored substantial advances for prompt and future positions. Tallow and grease were strong and fancy tallow sold at a fractional advance. Other grades were unchanged and in good demand from soapers for February-March delivery.

Tung oil was easy for shipment from China and sales were noted at a fractional decline. Other drying oils, linseed, dehydrated castor and oiticica oils continued firm and scarce.

As an indication of the urgent need for fish oils, refiners and other users recently placed contracts for several hundred tankcars of crude menhaden oil, when and if made, for next season's delivery. Menhaden fishing season starts early in May.

Export allocations for fats and oils for the first quarter of 1947, plus the unshipped balance by UNRRA from the last quarter of 1946 were reported by the Department of Agriculture as follows:—Lard, 110,000,000 pounds; margarin, 32,500,000 pounds; shortening and other edible fats and oils 39,550,000 pounds; inedible fats and oils, 8,300,000 pounds and soap, 19,400,000 pounds. All exports are for commercial account except fats and oils for UNRAA and margarin for France and French North Africa.

Cottonseed Oil

Feature of the futures market was the registering of record prices for bleachable summer yellow cottonseed oil on the New York Produce Exchange last week. March oil reached an all-time high, selling at 35c. per pound, scoring a net advance of 3½c. per pound for the period. Other options also scored sizable gains. The market reflected the strength in crude oil and the steady advance in lard. Refiners freely bid 30c. per pound for crude oil, loose, f.o.b. mills in all sections of the South. Crushers were reported to have purchased about all the seed from the current crop, and sold nearly all the oil. Offerings were practically nil last week, and it was expected that trading will be confined to scattered tankcars during the balance of the season.

Prices of refined bleachable prime summer yellow cottonseed oil in tankcars on the N. Y. Produce Exchange for the week ended Thursday, January 30, follow:—

	Sales	Cents per pound—High	Low	Close
March	1	35	35	35 bid
May	2	30.01	30	32½@34
July	7	31½	29¼	32½ bid
September	2	29	29	30 ask
October	12	21¼	20¾	22 bid
December	..	..	..	20@21
January	..	..	..	21¼ ask

Total sales, 24 contracts.

Crude oil was bid at 30c. per pound, tankcars, f.o.b. mills, all sections of the Belt.

Memphis.—Bidding active for crude cottonseed oil at 30c. per pound, loose, f.o.b. mills, in the valley and other sections of the Belt. Offerings scarce. Cottonseed meal steady at about $62 per ton, bulk, mills. Trading quiet.

Linseed Oil

While consuming inquiry was active, the lack of oil stocks continued to affect business. Crushers delivered limited quantities against former contracts and were out of the market, having no oil to offer. Quotations were entirely nominal, and it was stated that business could have been placed at 38c. per pound, tankcars, if oil was available. Some resale oil sold at 40c. per pound in drums.

Exports of linseed oil from the Argentine totaled 114,800 short tons during January-October, 1946, compared with 36,300 short tons for the same period last year, and flaxseed shipments were 42,900 short tons, against 139,200 short tons, respectively.

Cable advices from London stated that the price of linseed oil was advanced from £135 ($540) per ton to £200 per ton (about $800) by the British Minister of Foods. Rapeseed, castor and spearmint oils are also being advanced.

Los Angeles.—Linseed oil market remains extremely tight. Supplies are scarce, prices steady. Oil was named at 33c. per pound for futures, 35c. per pound for the current crop.

Other Vegetable Oils

Castor, Dehydrated—Active demand continued to absorb the output and exceeded the supply. Market was strong and reflected the higher cost of castor beans, which reached new high of $275 per ton bags, f.o.b. Brazil.

Coconut—Inquiry was fairly active for February-March shipment, but offers were scarce and trading slow. Crude oil for May-June was offered freely at 19¾c. per pound, tankcars, f.o.b. Pacific coast for May-June shipment and at 20c. f.o.b. Gulf points, for March-May. Tankcars at New York were named at 21c. Copra was steady at $215 per short ton, c.i.f. Pacific coast. Imports of 500 tons of coconut oil were reported at New York from Manila last week and consigned to a consumer. Edible oil was quoted nominally at 27c. per pound, tankcars, New York delivery, tax included.

Corn—Demand continued active for crude oil and bids were raised to 30½c. per pound, tankcars, f.o.b. mills, without attracting sellers. Production was sold well ahead and offers were nil. Refined oil was also strong and nominal at 34c., same basis.

Oiticica—New crop oil was offered equivalent to 37c., New York basis for March-April shipment, which attracted little interest. Market was dull, because of the scarcity of oil. Consuming inquiry was moderate. Arrivals of 1,190 drums were noted at New York last week and delivered on prior contracts.

Olive—Increased selling pressure and lack of demand further weakened the market. Prices for edible were easy and nominal at $7 to $7.25 per gallon, drums, duty paid, on the spot. Firm bids could have shaded asking prices.

Olive oil production in the principal producing countries of the Mediterranean Basin for 1946-47 is expected to be considerably larger than the past two seasons. However, only limited exportable supplies are expected to be available this year. Preliminary 1946-47 estimates placed the production at 877,700 short tons, compared with 539,200 short tons the previous year and 10 year 1934-44 average of 912,700 short tons. This season's estimate shows considerable increases for Spain, Algeria, French Morocco, Italy, Portugal and Tunisia and declines for France, Greece, Libya, Palestine and Syria-Lebanon. Production estimates of olive oil for this season for Italy are 165,000 short tons, Greece 100,000 and Spain 440,000.

Peanut—Trading was light, owing to the sold up position of producers. Crude oil was generally bid at 30c. per pound, f.o.b. mills for nearby and forward shipment, with offerings scarce. Peanut oil production totaled 37,171,000 pounds in 1946, compared

For Late Market Developments, See Page 4

Market Trends

Prices Advanced

Beeswax, 1c. to 2c. per lb.
Corn oil, ¼c. per lb.
Cottonseed oil, ref., 3½c. per lb.
Lard, 2c. per lb.
Tall oil, tankcars, ½c. per lb.
Tall oil, drums, ¾c. per lb.
Tallow, fancy, ½c. to ¾c. per lb.

Prices Reduced

Carnauba wax, 2c. to 4c. per lb.
Cottonseed meal, $6 per ton.
Olive oil, 25c. per gallon.
Ouricury wax, 4c. to 6c. per lb.
Peanut meal, $4 per ton.
Soybean meal, $5 per ton.
Tung oil, ¼c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
293.7	286.3	284.8	193.3

(For Current Prices see Page 9)

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with 35,689,000 pounds in 1945. Oil on hand January 1 was indicated at 4,862,000 pounds against 5,326,000 pounds a year ago.

Rapeseed—Shipments of rape oil from the Argentine were placed at 2,600 short tons for January-October, 1946, and 2,100 short tons for the same period the previous year and 11,300 short tons for the entire year of 1945.

Soybean—Crude oil remains firm, with offering for prompt and nearby shipment limited and firmly held. Inquiry was moderate. Crude oil was 26c. bid and 26½c. asked, f.o.b. mills, for January-March shipment. April-June was quoted at 25½c., with sales reported at 23c. f.o.b. mills, for July forward. Resale winterized oil was available at 29c. per pound, tankcars, New York for January-February delivery. Interest in refined oil has slackened considerably.

Sunflowerseed—Argentina's exports of this oil were indicated at 44,100 short tons during January-October, 1946, against 68,600 short tons, for the same time in 1945 and 79,300 short tons for the entire year of 1945.

Tall—Demand exceeds the supply. A major producer advanced refined grades ½c. to ¾c. per pound, which brought quotations closer to other suppliers. Drums, carlots ranged from 8½c. to 9½c. per pound, and less carlots at 9c. to 10c. per pound. Tankcars were quoted at 7½c. to 8½c. per pound, depending upon seller.

Tung — Shipments were easy and trading was reported at 37½c. per pound, tankcars for prompt and nearby shipment from China, which was ¼c. below previous sales. Consuming inquiry was quiet. Drums were quoted nominal at 38½c. to 39c. per pound, carlots, depending upon position. Less carlots were held at 40c. per pound, drums.

London (Comtelburo). — Sharply higher prices were announced today by the Ministry of Food in its issue of certain crude vegetable and fish oils. The British primary trade will henceforth have to pay £200 per ton for crude linseed oil, an advance of £65 per ton. No. 1 Castor Oil was boosted by £70 to a level of £180 per ton, sperm oil was raised by £35 to a price of £125, and rapeseed oil was boosted by £99 and will henceforth command a price of £190 per ton.

Los Angeles.—Heavy demand continues to be reported for all vegetable oils in this area. However, limited supplies curtail trading. All prices remained steady. Tankcar quotations follow:—

Chinawood, 38c. per pound; coconut, crude, 19c. per pound; cottonseed, bleachable, 30½c., f.o.b. Texas; mustard seed, 20c. per pound; peanut, crude, 30c. per pound, f.o.b. Texas; sesame seed, crude, 30c. per pound; soybean, 25c. per pound; castor, prime cold pressed, 36c. per pound, drums included.

Flaxseed—Seed receipts limited to occasional carlot. Demand active for all positions.

Fats and Greases

Greases—Supplies were scarce for immediate and prompt requirements. Demand was active for the prompt delivery, but offerings were light as the output for February and March was said to be sold up. Trading was spotty at current quotations.

Lard—This market was firmer in sympathy with other edible oils and prices were advanced for spot and forward delivery. Bids for loose lard were increased to 25c. per pound, f.o.b. Chicago, and cash lard to 26c., same basis.

Tallow—Reflecting the strength of competing oils, the market developed a firmer tone. Inquiry for February-March delivery continued keen, but offerings were scarce. Fancy tallow was advanced, with sales reported at 22½c. an increase of ½c. per pound. Trading was reported in fancy at 22¾c. per pound loose, and choice at 22⅝c. loose, Chicago. Other grades were unchanged and firmly held.

Animal Oils

Degras — Business was reported moderate and mainly for prompt delivery. Withdrawals against orders also were in good request. Prices were unchanged and steady.

Neatsfoot—High cost of raw materials continued to restrict demand to actual needs. Production was light and prevailing high prices were maintained for all grades.

Oleo — Limited production was in good demand. Offerings were light and the market was steady at 27c. per pound, tierces, New York delivery.

Heads Soap Makers

George A. Wrisley, of Allen B. Wrisley Company, Chicago, recently was elected president of the Association of American Soap and Glycerine Producers.

Fish Oils

Cod — Arrivals totaled 228 drums and 144 casks were reported at New York from Halifax and St. Johns, N. F., last week. Supplies on the spot were unavailable.

Menhaden—Refiners showed a good inquiry for crude oil and recently placed contracts for several hundred tankcars, when and if made for delivery next season. Menhaden fishing usually starts late April or early May. Supplies of refined oil were light and closely held former quotations.

Baltimore. — Menhaden oil is well maintained and even strong, with orders readily booked for crude oil at current figures of 18 to 18½ cents a pound bulk. Producers were disposed to take additional orders on when and if made basis.

Sardine—Fair demand was reported for refined oil. Prices were unchanged and steady. Trading in crude oil was quiet, as offerings were lacking.

Los Angeles.—Sardine oil market remain tight. Bids have been spirited, but supplies are short. The catch to January 24 was 206,977 tons, compared with 377,609 tons for the same period last year.

Fatty Acids

Red Oil — Light available stocks continued to restrict business. Production was sold ahead and readily taken on previous orders. Prices were unchanged and firm.

Stearic Acid—Active demand absorbed the output, which was sold ahead. Makers confined sales to regular buyers. Prices were firm and reflected the strength of tallow and grease.

Cake and Meal

Cottonseed Meal—This market continued weak and prices were lower. Meal was offered at $59 per ton, sacked, in the Valley for spot shipment and 41 percent cake at $50 per ton, loose for April-May shipment, a decline of $10 per ton during the past two weeks. Southeastern mills were still asking $70 per ton, for 41 percent meal, sacked. In most instances meal from the Mississippi Valley could be delivered to the Southeast at prices below those asked by crushers there. Sales were reported at $53.50 per ton bulk, Memphis, May shipment.

Linseed Meal—Market was unchanged and steady. Meal was held at $86 per ton, bulk, f.o.b. Edgewater,

Peanut Meal—Market was quiet and weak. Meal, 45 percent was quoted at $56 per ton, bulk, f.o.b. mills, Georgia, with recent sales transacted at $60 per ton, sacked, Alabama, a decline of $4. Offerings were liberal with no takers. Total 1946 production of peanut meal was indicated at 32,000 tons in the United States, against 28,000 tons in 1945. Stocks on hand January 1 were 10,000 tons, compared with 1,500 tons a year ago.

Soybean Meal—This market established a new low last week. Meal 41 percent sacked offered at $60 per ton, f.o.b. Decatur, for prompt and forward shipment.

Waxes

Beeswax—With supplies here scarce and the high cost of replacements, the

market was firmer. Prices were increased from 1c. to 2c. per pound for all grades.

Candelilla—Market was quiet. Light stocks on the spot were maintained at former quotations.

Carnauba—Business was reported inactive on the spot and for shipment from Brazil. Consumers showed little interest in replacement and with stocks here quite liberal, the market was easy and quotations declined 2c. to 4c. per pound. North country, was quoted at $1.54 to $1.56 per pound, on spot; N. C. No. 2, $1.60 to $1.62; refined, $1.65 to $1.67; yellow, No. 1, $1.86 to $1.88, and No. 2, $1.84 to $1.86, same basis.

Japan—Offerings on the spot were reported available at 42c. to 45c. per pound, in cases, depending upon quantity.

Montan—Demand was quiet. Prices for spot stocks were unchanged.

Ouricury—Trading was slow and market was easy, reflecting the lower carnauba market. Prices of crude were reduced to 80c. to 82c. per pound and refined to 85c. to 87c. per pound on the spot.

Buckeye Cotton Oil Buys Oil Mill Firm

The Southeast Missouri Oil Mill, Inc., New Madrid, Mo., has been sold to the Buckeye Cotton Oil Company, Cincinnati, for $656,000. The 100-ton capacity solvent plant has storage facilities for 750,000 bushels of soybeans. Buckeye is a subsidiary of Proctor & Gamble Company.

Miranol Chicago Plant Now in Production

The Chicago plant of the Miranol Chemical Company, Irvington, N. J., has started production of spray-dried synthetic organic detergents, according to an announcement by the company

Margarin Output Larger

Margarin production during November was heavier than same period last year, according to statistics compiled by the Bureau of Internal Revenue:—

	Pounds—November 1946	1945
Production of uncolored oleomargarin	*55,682,410	†39,242,904
Withdrawn tax-paid	54,983,819	39,749,272
Used in Colored Margarin		
Butter culture	125	74
Butter flavor	220	608
Citric acid	436	100
Corn oil	474,130	659,434
Cottonseed flakes	.....	200
Cottonseed oil	26,369,674	15,867,444
Cottonseed stearin	.....	540
Derivative of glycerin	94,597	80,303
Diacetyl	99	45
Estearin	.....	10,812
Lecithin	67,149	48,543
Milk	9,163,770	6,645,766
Monostearin	63,754	26,663
Neutral lard	198,351	182,576
Oleo oil	322,818	276,734
Oleo stearin	217,990	295,298
Oleo stock	47,975	30,625
Peanut oil	706,515	1,035,932
Salt	1,712,310	1,243,390
Soda, benzoate of	39,276	25,410
Soybean oil	17,026,175	14,058,565
Soybean stearin	.....	4,320
Tallow	.....	2,700
Vitamin concentrate	9,964	8,116
Total	56,517,328	40,504,267
Production of colored oleomargarin	7,283,497	‡6,783,825
Withdrawn tax-paid	1,566,218	1,314,116
Used in Uncolored Margarin		
Butter flavor	11	9
Coconut oil¶	4,080,122	.....
Color	4,357	3,517
Corn oil	52	176
Cottonseed oil	731,545	615,030
Derivative of glycerin	6,492	10,374
Diacetyl	271	11
Estearin	.....	268
Lecithin	5,696	5,102
Milk	1,245,331	1,103,375
Monostearin	5,187	1,319
Neutral lard	19,296	62,067
Oleo oil	12,199	171,945
Peanut oil	95	12,447
Salt	238,787	222,936
Soda, benzoate of	3,293	4,045
Soybean oil	1,022,743	4,643,628
Vitamin concentrate	1,240	1,106
Total	7,356,717	6,857,375

* Of the amount produced, 370 pounds were reworked.
† Of the amount produced, 18,361 pounds were reworked.
‡ Of the amount produced, 96 pounds were reworked.
¶ This oil used solely in oleomargarin manufactured for export by, or from, the United States.

Chemical Tankcars

—Continued from page 3

some talk is heard that the matter may be taken to court.

As the car owners see the situation shaping up, they must fulfill their existing contracts or subject themselves to the possibility of suits for damages filed by their leasees.

The following companies are named in the order of the ODT to supply the chemical industry with the 190 tankcars:— Union Tank Car Company, sixty-eight cars; General American Transportation Company, sixty-seven cars; Shippers Car Line, seventeen cars; Sinclair Refining Company, eleven cars; North American Car Corporation, eight cars; Shell Oil Company, four cars; Midcontinent Petroleum Company, four cars; Mexican Petroleum Company, three cars; Gulf Oil Corporation, three cars; Tidewater Associated Oil Company, three cars; and Cities Service Oil Company, two cars.

Meanwhile, an investigation of the Army fertilizer program for overseas shipment is being made by a special subcommittee of the senate committee on expenditures. The hearings are being held behind closed doors and developments are being kept secret.

It is understood that the committee has heard L. G. Porter, of the fertilizer division of the Production and Marketing Administration and plans to hear representatives of the Army, Civilian Production Administration and the State Department. Industry has not been invited to present testimony.

Trade Briefs

Rheem Manufacturing Company, has acquired the line of Fraser gas furnaces and winter air conditioners.

Henry S. Bean has been appointed manager of advertising and sales promotion of Unexcelled Chemical Corp. He formerly was sales promotion manager for Ethyl Securities Corp.

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1 32" monel basket suspended type extractor with 7½ HP 3/60/220-440, 900 RPM motor with bottom unloader.
1 Tolhurst 40" suspended type centrifugal extractor, steel basket with 10 HP 3/60/220-440 motor.
1 Sharples centrifuge, No. 6, with 3 HP, explosion-proof motor.
2 De Laval clarifiers, No. 166.
2 Anderson expellers; 1 Duo, complete with 20 HP motor; 1 RB expeller.

AUTOCLAVES

1 Impregnator, fumigator or pressure tunnel, 7' x 7' x 50' with rails, vacuum pump and accessories.
1 Vertical, 4' x 7'6", forge welded steel, 900 lbs. pressure.
1 Vertical, 42" x 24'4", forge welded steel, 600 lbs. pressure.

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1 Tubular condenser, copper, 4' x 22', having 288—1" tubes, 1,440 sq. ft.
2 Bethlehem tubular condensers, 8,463 sq. ft., 6' x 15', having 4,500 tubes, ⅝" OD.

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Rotary vacuum, vacuum shelf, steam tube, indirect heat, vacuum drum, atmosphere drum, rotary kilns or direct heat, apron dryers, and many others for every purpose.

EVAPORATORS

1 Blaw-Knox triple effect evaporator, horizontal type, 6' x 9', all steel.
3 Buffalo triple effect evaporators, 600 to 1,200 sq. ft.
1 10' copper vacuum pan, calandria type.
1 Swenson single effect, cast aluminum.
1 Zaremba cast iron, single effect, 10' diameter x 12' high, 200 gallon holding capacity, copper tubes, complete with vacuum pump and condenser.

EXTRUDERS

2 Allen 6" and 10" extruder-strainers.

FILLERS FOR DRY POWDERS

FILLERS FOR LIQUIDS, SEMI-LIQUIDS

FILTER PRESSES

1 Shriver, 36", rubber covered, 4 eyed closed delivery, 30 chamber.
1 Filter press, cast iron, plate and frame, 60" x 48", having 40 plates and frames, open delivery.
Others.

KETTLES

1 Lehigh, cast iron coil heated, 2,400 gallon, 6'D" x 9', with agitator.
Large stock of stainless, copper, steel, iron; all sizes.

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MILLS

25 Fitzpatrick, stainless, model "D," comminuting machines.
8 Raymond Mills, Nos. "00," "0000," 45, 1, others.
1 Lehman, 5 roll finisher or roller mill, 18" x 48".
3 Mikro pulverizers, No. 1 and No. 2.
4 Hardinge mills, 2' x 4'6", 3' x 3'6", 5' x 22", others.

MIXERS

Prompt shipment all sized ribbon type, horizontal, all steel mixers.
1 Simpson intensive mixer, 18" diameter, with double muller.
2 Patterson horizontal double ribbon, 30" x 42" x 84".

PRESSES

Hydraulic presses, many sizes and types.

TABLET MACHINES

35 Stokes and Colton tableting presses, single punch and rotary presses.

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2—Buffalo 32" x 90" Atmospheric DOUBLE DRUM DRYERS, M.D.
2—Buffalo 42" x 90" Atmospheric DOUBLE DRUM DRYERS, M.D.
2—Buffalo 32" x 72" Atmospheric DOUBLE DRUM DRYERS, M.D.
2—A. N. 4' dia. x 9' long atmospheric double drum dryers complete.
1—B. & C. 28" dia. x 60" face Atmospheric DOUBLE DRUM DRYER complete.
2—Direct heat ROTARY DRYERS; 5'x30', 6'x35'.
1—6'x35' Louisville Direct Heat single shell Rotary Dryer.
1—4'x20' Ruggles-Coles Indirect Heat Rotary Dryer.
2—4'x20' and 4'x26' ROTARY KILNS or ROTARY DRYERS, Ruggles-Coles, geared-head, motor drive.

RECTIFYING COLUMN

1—All Copper 54" dia. x 22'6" high, 30-plate, 16-section RECTIFYING COLUMN, with copper Tube Dephlegmator & Condenser. Excellent condition; used on Methanol.

SPECIAL PURCHASE

26—Aluminum Jack. KETTLES, 30-gal. cap.
8—Stainless, Jack. KETTLES, 30-gal. cap.

1—Stokes No. 2 gear type TUBE FILLER.
1—Colton No. 2 worm type TUBE FILLER.
1—Stokes TUBE CLOSER & CLIPPER.
2—Colton No. 3 TUBE CLOSER and CLIP FASTENER.

VACUUM FILLING LINE

1—K. K. 8 stem Rotary Vacuum FILLER.
1—K. K. 20' steel CONVEYOR BELT, 4" wide.
1—CAPEM sgl. head CAPPER with automatic CAP FEED.
1—WEEKS automatic straight line LABELLER.

TABLET MACHINES

2—Stokes RD-4 Rotary 16 punch, maximum 1" dia.
4—Stokes "R" single punch, maximum 2-½" dia.
4—Stokes "F" single punch, maximum ¾" dia.
1—Stokes "N" single punch, maximum ½" dia.

1—Burt automatic wrap-around LABELLER, now set for 1 qt. cans, M.D.
2—Knapp auto. LABELLERS, 1 ½ gal. and 1—1 gal. cans, M.D.

CRYSTALLIZERS VACUUM PAN DRYERS

2—Buflovak 6' dia. Jacketed Pan Dryers or Crystallizers—300 gallon capacity—cast iron—jackets cast integral with shells.
5—Swenson-Walker Continuous Steel Jacketed Crystallizers. Mixers or Dryers, each made up of four 24"x26"x10' long sections with heavy spiral ribbon agitators. Each unit with worm gear speed reducer.

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NEW 1942—SOME UNUSED
AVAILABLE FOR IMMEDIATE SHIPMENT

12—Oliver Rotary Continuous Vacuum Filters, 11'6" dia. x 18' face, each 640 sq. ft. filtering area. Complete.
4—Vacuum Pumps, Chicago Pneumatic, duplex, 36" x 36" x 13", each with direct connected 250 HP 3/60/440, 225 RPM synchronous motor with exciter, starting equipment, etc.
3—American Rotary Continuous VACUUM FILTERS, 12'6" dia. x 23' long, 10 discs, approx. 2,000 sq. ft. filtering area each. Now equipped with steel leaves. Wood leaves can also be furnished.
3—Ingersoll-Rand Dry VACUUM PUMPS, 31" x 13" Type ES. 2830 CFM, with V-belt drives.
2—No. 30-NF all steel HAMMER MILLS, made by Williams Crusher & Pulverizer Co., St. Louis.
14—Industrial UNIT HEATERS, each 645,000 BTU per hour. With motors, fans, etc.
2—Goslin-Birmingham EVAPORATORS, 6-effect, each evaporator having a total heating surface of 58,200 sq. ft. Electronite steel tubes; welded steel bodies. Each evaporator designed to evaporate 172,230 lbs. of water per hour from a feed of 586,000 lbs. per hour of soda-alumina solution. Complete with condensers, pumps, motors, controls, instruments, etc.
1—6' x 50' Louisville DIRECT HEAT ROTARY DRYER with combustion chamber, exhauster, Buffalo air washer for dust elimination.
7—8' dia. x 46' ROTARY KILNS, DRYERS OR COOLERS, ½" shells, construction heavy enough for lengthening to 150 ft. Made by Traylor Eng. & Mfg. Co.
5—COAL PULVERIZERS type E-35, made by Babcock & Wilcox Co. Complete with exhausters and 100 HP 3/60/440 volt motors, full starting and control equipment.

WIRE, PHONE, WRITE FOR DETAILED SPECIFICATIONS AND PRICES

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Aldridge Pump Co. Vertical Triplex HYDRAULIC PUMPS, 2¾"x3", equipped with Herringbone Gears, 67.5 gpm. Maximum pressure for intermittent duty 2,200 lbs., for continuous duty 1,800 lbs. Pump and motor mounted on common bed plate.
Motors are 75 HP, 3/60/220-440 volts, 1740 RPM. Complete with starting panel, consisting of G. E. motorstarter switch, push button control, square "D" Switch, and capacitator.
Purchased new 3½ years ago. Excellent condition. Available for immediate delivery.

MISCELLANEOUS

1—6'x6' OLIVER FILTER UNIT, complete.
1—Gedge Gray 600-lb. DRY POWDER SIFTER MIXER.
3—J. H. Day, Size D, 600-lb. DRY POWDER MIXERS, M.D.
2—450 gal. copper steam jacketed KETTLES.
1—ROTEX SCREEN, 40"x84".
1—W. P. MIXER, jacketed, 100-gal. sigma blades.
1—York 500 GPM HOMOGENIZER, bronze fitted, with 15 H.P. A.C. motor.
1—250 gal. Copper jack. agit. closed Kettle or Vac. Still.
10—Copper & Aluminum KETTLES to 500 gal. cap.
2—Copper steam jacketed agitated KETTLES, 1—54" dia. x 42" deep, 300 gals.; 1—36" dia. x 31" deep, 70 gals.
1—J. H. Day auger POWDER FILLER. 2—Stokes No. 15.
2—Colton No. 3 TOGGLE Globule PRESSES, for making capsules.
4—250 gal. closed GLASS-LINED TANKS.
1—Pneumatic Scale six head Capping Machine.
Approximately 300 feet of STEEL BALL BEARING ROLLER CONVEYOR, from 17 to 32" widths.

1—Johnson 24" x 24" cast iron FILTER PRESS, 24 chambers.
1—Brecht 24" x 24" cast iron recessed FILTER PRESS, 25 chambers.

VIBRATING SCREENS

1—Robins "Gyrex" 3'x8'6", 2 decks, V-drive and 5 HP motor.
1—Kennedy 3'x7', 2 decks, V-drive and 5 HP motor.
4—Tyler Hummer, 3'x5' No. 33, two 4'x5' No. 39, single.
2—Sturtevant 3'x6' Moto-Vibro, single deck, all enclosed.
1—40"x84" Rotex, single deck.
5—UNUSED Robins, "Vibrex" 2'x5', single deck.

ALUMINUM

VACUUM STILLS, KETTLES, TANKS

29—Steam Jack. KETTLES, 20, 25, 30, 50, 60 and 80 gal.
24—Closed STORAGE TANKS, rectangular shaped, 73"x34"x60", 700 gal. capacity.
24—Closed STORAGE TANKS, rectangular shaped, 56"x46"x73", 300 gal. capacity.
2—Closed Jack. agitated Kettles with coils: 1—1,200 gal., 1—900 gal.
1—1,200 gal. closed Jack. Kettle or Vacuum Still.
3—Closed Jack. agitated Kettles or Vacuum Stills.
1—350 gal. closed Jack. agit. Kettle.
9—250 GAL. NEW CLOSED HORIZONTAL STORAGE TANKS, OVAL SHAPED, APPROX. 46" AND 28" BY 61" LONG, 18" ROUND MANHOLE IN TOP. ⅛" PLATE.

12—150 gallon STAINLESS STEEL TANKS.

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1—Buffalo Vacuum Shelf Dryer, with 14 60"x80" shelves.
2—Lab. Vacuum Shelf Dryers, with condensers.
3—Rotary Vacuum Dryers, 1½'x 3½', 4'x10', 5'x33'.
2—Rotary Steam Tube Dryers, 6'x27'6", 6'x25'.
2—Buflovak Vacuum Drum Dryers, 24"x20", 48"x40".
5—Rotary Dryers, 6'x18', 6'x60', 7'x51', 10'x90'.

JUST PURCHASED!

10—Aluminum Kettles, 40, 60, 80, 100 gals.
4—Stainless Steel Kettles, 80 gals.
1—Pneumatic Scale, 8 Spout Bottle Filler with Single Head Automatic Capper.
2—32" C.I. Plate & Frame Filter Presses, 36 Chambers.
4—36" C.I. Plate & Frame Filter Presses, 44 Chambers.
6—30"x30" C.I. Recessed Filter Presses, 36 Chambers.
1—No. 4 Nash Pump, 60 H.P. motor.
1—Lehman 4 Roll High Speed Mill, 13"x32".
1—Fletcher 30" Suspended, Solid Basket, Centrifugal, 1,200 RPM.
1—Buflovak 6' dia. Vacuum Crystallizer.
1—No. 10 Sweetland Filter.
2—Alsop Sealed Disc Filters.
10—1,000 and 2,000-lb. Powder Mixers, NEW.
6—Baker Perkins and Readco 100 gal. Jacketed Mixers.
7—Durkon & Lead Centrifugal Pumps, 1" to 3".
4—Sharples No. 16 Stainless Steel Centrifuges.
2—Mikro 1SI Pulverizers.

2—Lehman 5 Roll Roller Mills, 20"x48".
1—100 gal. Pebble Mill.
1—Abbe ½ gal. 10 Jar Mill, Motor Driven.
1—Schutz O'Neil 10" Ball Bearing Style "D" Limited Mill.
1—Hardinge Ball Mill, 2'x8".
1—Day 18" Ointment Mill.
3—Abbe Blutergess Sifters.
3—Rotex Sifters, 20"x48", 40"x84".

1—No. 150 Kelly Pressure Filter.
2—Vallez Filters, Lab.
2—American 4' 4 Disc and 6' 2 Disc Rotary Continuous Filters.
6—Oliver 8'x6' Rotary Hopper Dewaterers, New.
2—Oliver Filters, 8'x12'.
6—Shriver, Sperry Filter Presses, 12", 18", 24", 30", 32", 36".
5—Shriver Wood Filter Press Skeletons, 18" to 42".

4—Sharples No. 6 Centrifuges.
2—De Laval No. 600, 700 Clarifiers.
3—ATM 40" Centrifugal, direct Motor driven, perforated basket, 1,200 RPM.
5—Tolhurst 32", 40", 48" Self-Balancing Type Centrifugals.
1—Fletcher Centrifugal, 30" Suspended type, solid basket, 1,200 RPM.
1—Tolhurst 32" Suspended, motor driven, Monel, perf. basket.

11—Stainless Steel Jacketed Kettles, 60, 80, 100, 150, 300 gal. New.
10—Brand New Stainless Steel Tanks, 100 to 1,500 gal.
6—Pfaudler Jktd., Agtd. Kettles, 100, 125, 200 gal.
10—Copper Jktd. Kettles, 25 to 150 gal., some agitated.
8—Steel Jktd. Kettles, 375 to 1,200 gal., some agitated.
1—60 gal. Cast Semi-Steel Autoclave, agitated, 3" wall.
1—Zaremba Copper Evaporator, 500 sq. ft. vert. tubes.
5—Copper and Steel Vacuum Pans, 2', 4', 6', 7'.
5—Evaporators, single to quadruple effect, 500 to 10,000 sq. ft.

TABLET MACHINES

6—Stokes "T," 1¼".
2—Stokes "R," 2½".
1—Stokes Rotary DD82, 1 7/16".
10—Stokes Rotary D4, 31/32".
2—Kux, 2½" to 4".
3—Colton Rotary, ¾".
1—Mulford Single Punch, 1¼".
6—Stokes "F," ¾".
5—Colton Single Punch, ⅝".

All the above practically new, ready for prompt shipment.

1—Day No. 10 Imperial Double Arm Jacketed Mixer.
5—Day, W. & P.Readco Double Arm Mixers, ½ to 100 gal.
1—Readco 4 gal. Stainless Steel, Double-Arm Mixer.
1—Robinson 4,000 lb. Powder Mixer.

3—Stokes and Smith auger type powder fillers.
2—Knapp Automatic Can Labelers.
1—Filler Machine, 4 Spout Filler.
1—Karl Kiefer Visco Piston Type Filler, motor driven.
5—World, National Labelers.
10—12" Belt Conveyors, 20 to 50' centers, built to specifications.
1—Schaeffer Poidometer, 20"x4'.
5—Bantam and 1-SI Mikro Pulverizers.

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SPECIAL • FOR SALE

1—No. 12 Sweetland Filter Press, 36 leaves—4" centers.
1—4' dia. x 32' L. Rotary Dryer, drive and motor.
1—32" x 90" Buffalo Double Drum Dryer.
1—4' D x 3' L Atmospheric Drum Dryer.
1—4' D x 12' L Atmospheric Drum Dryer.
1—No. 1 Raymond Pulverizer, cyclone, blower, motor.
1—No. 1 Greundler Hammermill and motor.
1—30" Raymond Mechanical Separator.
1—40" Tolhurst Suspended Type Centrifugal, bottom discharge.
3—Copper Tube Condensers.
1—18" Portable Conveyor with motor.
6—Mixing Tanks, 6' dia. x 6' deep, Agitators and Drives.
2—10,000 gal. Steel Storage Tanks.
1—10' W x 12' D x 12' H Truck Tray Dryer, fan, motor and 6 tray trucks.
Pumps, Kettles, Scales.

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10—Sperry 32" Iron Filter Presses.
14—Tolhurst 40" Suspended Type Centrifugals, Motor Driven, Bottom Discharge.

2—Stokes RD4 Rotary Tablet Machines, 16 die openings 1 3/16" dia.
11—Sharples No. 5A Stainless Oil Purifiers, latest type, 1 H.P., Motor Driven.
1—Chrystie 80'x45' Rotary Dryer.
3—Oliver Rotary Vac. Filters, 8'x 10' and 5'x6'.
2—Dorr 15' Bowl Classifiers.
1—Hardinge 3'x8' Conical Ball Mill.
75—36" x 36" Cast Iron Filter Press Plates and Frames.
1—Stokes No. 149 B High Vacuum Pump.
1—Gayco 3' Centrif. Air Separator.
1—Sturtevant 36" Rock Emery Mill.
1—W. & P. 9 gal. Double Arm Mixer, 2 H.P. Motor.
1—Sharples No. 6 Centrifuge.
1—Day Rotex Sifter, 20" x 48".
4—Pfaudler Glass lined, jacketed, agitated Kettles, 350 & 400 gals.
10—Stainless steel, jacketed Kettles, new & used, 40, 60, 80 & 375 gals., some agitated.
4—Aluminum jack. Kettles, 60, 80 & 100 gals.
18—Copper jack. Kettles, 2, 30, 50, 75, 100, 250 & 350 gals., some agitated.
1—Stokes ½" Eureka Tablet Machine.
1—Hammer Mill, 7½ H.P.
1—Williams No. 3 "Regular" type Hammer Mill.
1—Stedman 32" Single Roll Crusher.
1—Jeffrey No. 4 Single Deck Conveyor Screen.
25—New Stainless Steel Tanks, 100 to 1,000 gals.
2—6 spt. gravity Bottle Fillers.
New Water Stills, Gas and Elec.
New 40 gal. Pony Mixers.
4—Day Pot Mills, 24"x32" dia.
12—Filter Presses, Iron, Wood and Rubber, 18" to 42" sq.
4—Centrifugals, 20", 26" & 40".
4—No. 0000 and No. 0 Raymond Mills.
10—Closed steel Vac. Kettles & Stills, up to 1,000 gals.
12—Vert. jack. agit. Kettles & Autoclaves to 1,500 gals.
2—250 & 1,500 gal. lead lined Kettles.
1—700 gal. steel, copper lined vac. Filter Tank.
1—Dopp 50 gal. jacketed Kettle.
15—50 gal. steel Mixing Tanks.
1—Blystone 2,000 lb. horiz. Spiral & Paddles Steel Mixer.
6—Horiz. Mixers, 20 to 250 gal., single & double arm.
1—Faust 150 gal. Spiral Mixer.
2—Devine Horiz. Vac. Pumps, 8"x 6"x4"x6".
2—Worthington 12"x12"x12" Vac. Pumps.
1—National Acme Model C20 stainless steel Centrifuge.
2—DeLaval Multiple Clarifiers, 300 & 301.
2—Rotary Screens, 18"x72".
6—Attrition Mills & Disc Grinders, up to 22".
1—Double Stand Steel 4-Roller Mill, 7"x20".
10—Iron Mills, 12", 14" & 18".
8—Stone Mills, 8" to 32".
6—Lead & Paste Mixers to 72 gals.
3—Varnish Kettles, 200 gals.
1—Shutz-O'Neill 20" Pulverizer.
2—Double Roll Crushers.
300 ft. 12" Roller Conveyor.
15—New, Portable, Electric Agitators, ¼ to 2 H.P.
20—Rotary, Centrif. & Triplex Pumps.
6—Gas Boilers, up to 10 H.P.

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Toiletries Wartime Tax to Continue

OPD Washington Bureau

Action to continue the wartime tax increases on distilled spirits, toiletries and other products was taken by the house January 20 with the passage of a bill striking out the termination date of these increases now contained in the revenue laws. As a result of the President's proclamation declaring the termination of hostilities, the increases enacted in 1944 would end July 1.

The bill now goes to the senate for consideration by the committee on finance and report to the senate floor for passage. Indications are that the committee will act promptly on the measure and its approval by the senate is assured.

"Excellent Buys"

2—30x30 cast iron filter presses.
1—Dopp 150-gallon double motion agitated sulphonator.
4—Mikro Pulverizers, lab. size.
1—Progressive two-piston cream filler.
2—M&S 4 & 6 pkt. filling machines.
4—Stokes-Day powder filling machines.
1—12" extractor solid basket.
1—2 jar 2½ gallon each mill, motor driven.
20—80 and 100 gallon S.S. clad kettles.
2—40" Tolhurst extractors.
2—500-gallon, glass-lined closed tanks.
1—250-gallon Devine copper still complete.
1—6' compression belt, MD.
1—Lab. size 12x12" double drum dryer.
10—World, Ermold, National semi-automatic labeling machines.
2—Late type Stokes E tablet presses.

Send for Our Latest Bulletin No. 1046

Chemical & Process Machinery Corp.
146-8 Grand Street New York 13, N.Y.
Tel: WOrth 4-8130

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AUTOMATIC LIQUID FILLING LINE
KIEFER 12 STEM AUTOMATIC ROTARY VACUUM FILLER; WORLD DUPLEX AUTOMATIC STRAIGHT AWAY LABELER; CAPEM 4-HEAD AUTOMATIC SCREW CAPPER WITH 22 AND 28MM CHUCKS.

3—STOKES Rotary DD2 Tablet Machines, M.D.
1—J. H. DAY, 16" x 40", WC 3 Roll Mill.
5—WITTEMAN Double Drum Atmospheric Dryers, 22" x 38".
6—Copper Coating Pans, 24", 30", 38".
4—RAYMOND 8" Pulverizers, M.D., Exp. Pf.
2—STOKES & SMITH G1 Universal Powder Fillers.
11—Single Punch & Rotary Tablet Machines, ¼" to 1½" dia.

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SEND FOR OUR LATEST BULLETINS
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533 West Broadway New York 12, N. Y.
GRamercy 5-6680

FOR SALE

5—Stain. Steel Kettles: 40, 60, 200 gal.
1—Tolhurst 40" laundry Centrifugal.
1—No. 10 Day Imperial Mixer.
5—(New) 250 gal. closed Aluminum Tanks.
1—Kinney rotary Pump, 2½x3", 10 hp.
2—Paskomatic Powder Fillers and Sealers.
2—Day auger Powder Fillers.
20—2" stain. steel Angle Valves.
7—25 cu. ft. jack. Powder Mixers.
1—U. S. 10-spout hard rubber Filler.
10—Portable Electric Mixers: ¼, ½, 1 hp.
1—Elmes 3-piston Hydraulic pump, 5 hp.
1—Austin-Western No. 3 Gyratory Crusher.
4—Water Stills: 10 and 25 G.P.H.
1—300 gal. jac. sg. Glass-lined Tank.
2—20" Attrition Mills, 15 hp. motors.
1—Revolvator elec. Hoist, 800 lbs., 16' lift.

What equipment have you for sale?
LOEB EQUIPMENT SUPPLY CO.
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LINDEN, N. J.
C. J. Colville, Pres. Linden 2-4466

EQUIPMENT

FOR CHEMICAL AND ALLIED INDUSTRIES

1—Baker Perkins Stainless Steel Jacketed, Sigma Type Blade, heavy duty Mixer, 50 gallons.

2—Readco Jacketed Heavy Duty Mixers, 100 gallons.
1—Baker Perkins, Heavy Duty, Jacketed, Mixer, 100 gallons.
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2—Louisville Steam Tube Dryers, 6' x 50'.
6—Swenson Walker Crystallizers, 24" x 10'.
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1—Struthers Wells Jacketed Autoclave, 23¼" x 32".
2—Duriron Heat Exchangers, No. 12.
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1—DeLaval Lab. Separator with ½ H.P. Motor.
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10—New Sharples Oil Purifiers.
6—DeLaval Imo Pumps, 2" suc., 2" disch. (new).
6—Stokes Rotary Tablet Machines, Model RD-4.
6—New Clevon Can Filling Machines.

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Established Cincinnati firm covering Dayton, Columbus, Indianapolis and Louisville, would be interested in representing producers of raw materials used in various industries including paint, ink, soap, paper and rubber manufacturers. OPD 413.

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For Sale: Growing pharmaceutical manufacturing business. Completely modern, well stocked and equipped to do $250,000 a year. Plant size, 40 x 90, plus completely furnished four room office building and two adjoining lots. Mid-West location. OPD 422.

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EQUIPMENT OFFERED

For Sale: two Arthur Colton Co. No. 1 hard capsule filling machines in perfect working condition. Can be seen by appointment. OPD 424.

EQUIPMENT WANTED

Wanted: Large ball or pebble mill over 2,000 gallon capacity. Pacific Resin Company. 2330 E. 37th St., Los Angeles, Cal.

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For Sale: 90 pounds aluminum sulphate; 400 pounds ammonium chloride; 700 pounds barium peroxide; 222 pounds brown G 8990; 134 pounds monochlorbenzene; 240 pounds sodium ferrocyanide; 550 pounds sodium silicate No. 6; 47 pounds beta methyl naphthalene; 15 pounds nikethamide; 130 pounds calcium ferrocyanide. OPD 419.

Para Toluene Sulfonamide technical for immediate shipment from stock at .50 per pound f.o.b. New York City. OPD 431.

MATERIALS WANTED

Exporter wants for immediate delivery soda ash, caustic soda, glauber salts, carbolic acids, borax crystals, phenol, cresol, xyluol, toluol for immediate delivery. Very large quantities. Replies give all particulars, will be held strictly confidential. OPD 409.

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To manufacturers and jobbers: Are you overstocked? We require immediately large or small lots, many items, chemicals, pharmaceuticals, solvents, aromatics, waxes, other supplies. Submit offerings at once. Correspondence treated confidentially. OPD 415.

Two to five drums ethylene glycol; 500 to 1,000 pounds titanium dioxide; five drs. octyl alcohol. Will pay premium. OPD 420.

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MATERIALS WANTED

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Wanted: for Calcutta area, India, experienced edible oil processing man to supervise new plant installation, start up plant and train operators in refining, bleaching, hardening, deodorizing, chilling, electrolytic hydrogen generating and handling. Required in India starting about April, 1947, for six to twelve months. Advise experience, salary and when available. OPD 389.

Export men knowing supply sources of industrial and agricultural chemicals, pharmaceuticals (also for veterinary use) and dyestuffs. Describe fully education, experience and salary requirements. OPD 408.

Export manager wanted. Chemicals. For key position with well established highly rated export firm. Substantial salary for qualified man. Reply must give complete background and will be treated confidentially. OPD 410.

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Wanted: On a consulting or other, basis—chemist or chemical engineer experienced in producing methylamines commercially. OPD 423.

Chemist: large, progressive printing ink manufacturer is seeking a graduate chemist experienced in development and manufacture of lacquer chips and resins. Plant located in central New Jersey. Please write giving full details on education, experience, and salary. OPD 425.

Wanted: Salesman (N. Y. resident only) to cover United States for old established hormone producers with national distribution. Salary, commission and travelling expenses. Excellent opportunity for advancement. In reply outline experience and salary desired. OPD 426.

POSITIONS WANTED

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5—Dryers, Witteman, Double Drum, 22" Dia. x 38".
1—Dryer, Buffalo, Double Drum, 32" Dia. x 52".
1—Dryer, Louisville, Rotary, 6' x 30'.
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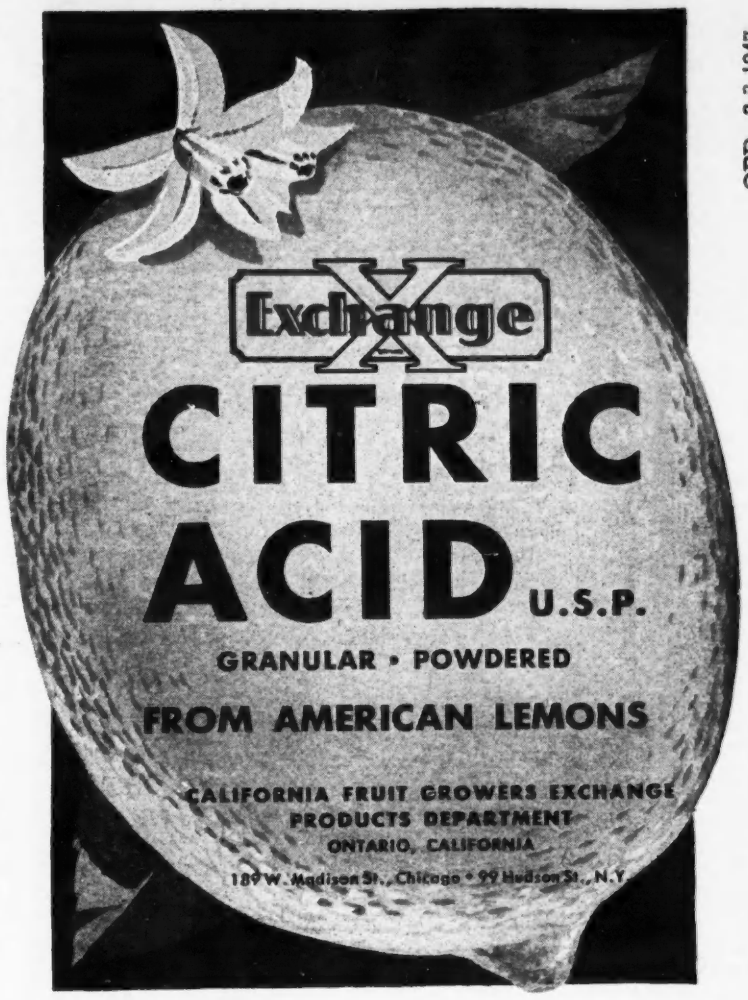

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